

Goat Anti-Mouse IgG H&L / HRP antibody

SL0296G-HRP

Product Name Goat Anti-Mouse IgG H&L / HRP

Chinese Name 辣根过氧化物酶标记的羊抗小鼠 IgG H&L

Alias Goat Anti-Mouse IgG H&L (HRP); Immunoglobulin G;

Specific References (306) | SL0296G-HRP has been referenced in 306 publications.

[IF=19.568] Jinman Kim. et al. Furin cleavage is required for swine acute diarrhea syndrome coronavirus spike protein-mediated cell–cell fusion. EMERG MICROBES INFEC. 2022 Aug 17
Human.

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[IF=16.874] Bingcheng Yi. et al. Step-wise CAG@PLys@PDA-Cu²⁺ modification on micropatterned nanofibers for programmed endothelial healing. BIOACT MATER. 2022 Jul; 11
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PubMed:10.1016/j.bioactmat.2022.07.010

[IF=16.744] Fumei He. et al. Black phosphorus nanosheets suppress oxidative damage of stem cells for improved neurological recovery. CHEM ENG J. 2023 Jan;451:138737 **IHC ; Rat.**

PubMed:10.1016/j.cej.2022.138737

[IF=13.391] Haitao Wang. et al. A plant virus hijacks phosphatidylinositol-3,5-bisphosphate to escape autophagic degradation in its insect vector. AUTOPHAGY. 2022 Sep 10 **ELISA ; Laodelphax striatellus, Insect.**

PubMed:36093594

[IF=12.336] Fuyan Wang. et al. Decellularized porcine cornea-derived hydrogels for the regeneration of epithelium and stroma in focal corneal defects. Ocul Surf. 2020 Oct;18:748 **WB ; Human.**

PubMed:32841745

[IF=11.556] Wen-juan Jiang. et al. Tubular epithelial cell-to-macrophage communication forms a negative feedback loop via extracellular vesicle transfer to promote renal inflammation and apoptosis



in diabetic nephropathy. *Theranostics*. 2022; 12(1): 324–339 **WB ; Mouse,Human**.

PubMed:34987648

[IF=10.787] Xiaozhen Dai. et al. Nrf2 transcriptional upregulation of IDH2 to tune mitochondrial dynamics and rescue angiogenic function of diabetic EPCs. *REDOX BIOL*. 2022 Oct;56:102449 **Mouse**.

PubMed:36063728

[IF=10.103] Jia Qi Liang. et al. miRNAs derived from milk small extracellular vesicles inhibit porcine epidemic diarrhea virus infection. *ANTIVIR RES*. 2023 Mar;:105579 **WB ; Pig**.

PubMed:36907442

[IF=141] Bingcheng Yi. et al. Lysine-doped polydopamine coating enhances antithrombogenicity and endothelialization of an electrospun aligned fibrous vascular graft. *Appl Mater Today*. 2021 Dec;25:101198 **other ; Rabbit** .

PubMed:10.1016/j.apmt.2021.101198

[IF=9.587] Xia, Pengcheng. et al. MicroRNA-22-3p ameliorates Alzheimer's disease by targeting SOX9 through the NF- κ B signaling pathway in the hippocampus. *J NEUROINFLAMM*. 2022 Dec;19(1):1-19 **IHC ; Mouse**.

PubMed:35821145

[IF=9.221] Rui Chen. et al. Tyramine signal amplification on polystyrene microspheres for highly sensitive quantification of Aflatoxin B1 in peanut samples. *SENSOR ACTUAT B-CHEM*. 2022 Dec;:133120 **Peanut**.

PubMed:10.1016/j.snb.2022.133120

[IF=9.038] Junpeng Zhao. et al. Horseradish peroxidase-catalyzed formation of polydopamine for ultra-sensitive magnetic relaxation sensing of aflatoxin B1. *J Hazard Mater*. 2021 Jun;:126403 **ELISA**.

PubMed:10.1016/j.jhazmat.2021.126403

[IF=8.786] Wuyi Zeng. et al. A Novel PD-L1-Containing MSLN Targeting Vaccine for Lung Cancer Immunotherapy. *FRONT IMMUNOL*. 2022; 13: 925217 **ELISA ; Mouse**.

PubMed:35795680

[IF=8.724] Qing Ma. et al. Durable endothelium-mimicking coating for surface bioengineering cardiovascular stents. *Bioact Mater*. 2021 Dec;6:4786 **Other ;**

PubMed:34095629

[IF=8.44] Shi Xiaobo. et al. miR-4443 promotes radiation resistance of esophageal squamous cell carcinoma via targeting PTPRJ. J TRANSL MED. 2022 Dec;20(1):1-14 **WB ; Human.**

PubMed:36578050

[IF=8.355] Shi S et al. Homologous-targeting biomimetic nanoparticles for photothermal therapy Nrf2-siRNA amplified photodynamic therapy against oral tongue squamous cell carcinoma. Chem Engineering Journal, 2020, 124268. **WB ; Mouse.**

PubMed:doi:10.1016/j.cej.2020.124268

[IF=8.101] Shuang Xie. et al. Indispensable role of melatonin, a scavenger of reactive oxygen species (ROS), in the protective effect of Akkermansia muciniphila in cadmium-induced intestinal mucosal damage. FREE RADICAL BIO MED. 2022 Nov;193:447 **WB ; Mouse.**

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[IF=8.039] Xin-Chen Jiang. et al. Discovery of a Novel G-Quadruplex and Histone Deacetylase (HDAC) Dual-Targeting Agent for the Treatment of Triple-Negative Breast Cancer. J MED CHEM. 2022;XXXX(XXX):XXX-XXX **WB ; Mouse, Human.**

PubMed:36053318

[IF=8.025] Ziyu Liu. et al. Exosomes from LSD1 knockdown breast cancer cells activate osteoclastogenesis and inhibit osteoblastogenesis. INT J BIOL MACROMOL. 2023 Feb;:123792 **Human,Mouse.**

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[IF=8.022] Aixin Ni. et al. Degradation of amyloid β -peptides catalyzed by nattokinase in vivo and in vitro. FOOD SCI HUM WELL. 2023 Sep;12:1905 **WB ; Escherichia coli.**

PubMed:10.1016/j.fshw.2023.02.042

[IF=7.701] Tian, Hongwei. et al. Centromeric protein K (CENPK) promotes gastric cancer proliferation and migration via interacting with XRCC5. GASTRIC CANCER. 2022 Jun;:1-17 **Human.**

PubMed:35715658

[IF=7.666] Chaoyue Zhong. et al. Establishment of a Spermatogonial Stem Cell Line with Potent Meiosis in a Hermaphroditic Fish, Epinephelus coioides. CELLS-BASEL. 2022 Jan;11(18):2868 **IF ; Fish.**

PubMed:36139441

[IF=7.561] Niu H. et al. Immune Evaluation of Recombinant *Lactobacillus plantarum* With Surface Display of HA1-DCpep in Mice.. Front Immunol. 2021 Dec;12:800965-800965 **WB ; Recombinant plantarum.**

PubMed:34925386

[IF=7.425] Xiaobo Hu. et al. Polydopamine-mediated quantity-based magnetic relaxation sensing for the rapid and sensitive detection of chloramphenicol in fish samples. FOOD RES INT. 2022 Sep;;111919 **Other ; Other.**

PubMed:10.1016/j.foodres.2022.111919

[IF=7.419] Xueqi Chen. et al. GYY4137, a H₂S donor, ameliorates kidney injuries in diabetic mice by modifying renal ROS-associated enzymes. BIOMED PHARMACOTHER. 2023 Jun;162:11469-11477 **WB ; Mouse.**

PubMed:37054540

[IF=7.419] Qin Zhang. et al. Relief of ovalbumin-induced airway remodeling by the glycyl-l-histidyl-l-lysine-Cu²⁺ tripeptide complex via activation of SIRT1 in airway epithelial cells. BIOMED PHARMACOTHER. 2023 Aug;164:114936 **WB ; Mouse,Human.**

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[IF=7.333] Homogenous Magneto-Fluorescent Nanosensor for Tumor-Derived Exosomes Isolation and Analysis et al. Homogenous Magneto-Fluorescent Nanosensor for Tumor-Derived Exosomes Isolation and Analysis. ACS Sens . 2020 Jul 24;5(7):2052-2060. **FCM ; Human.**

PubMed:32594744

[IF=7.171] Yawen Bu. et al. YLMY Tyrosine Residue within the Cytoplasmic Tail of Newcastle Disease Virus Fusion Protein Regulates Its Surface Expression to Modulate Viral Budding and Pathogenicity | Microbiology Spectrum. Microbiol Spectr. 2021 Dec;; **WB ; Hamster.**

PubMed:34937182

[IF=7.169] Ma, Yan-hong. et al. Inhibiting the transcription and replication of Ebola viruses by disrupting the nucleoprotein and VP30 protein interaction with small molecules. ACTA PHARMACOL SIN. 2023 Feb;;1-13 **WB ; Human.**

PubMed:36759643

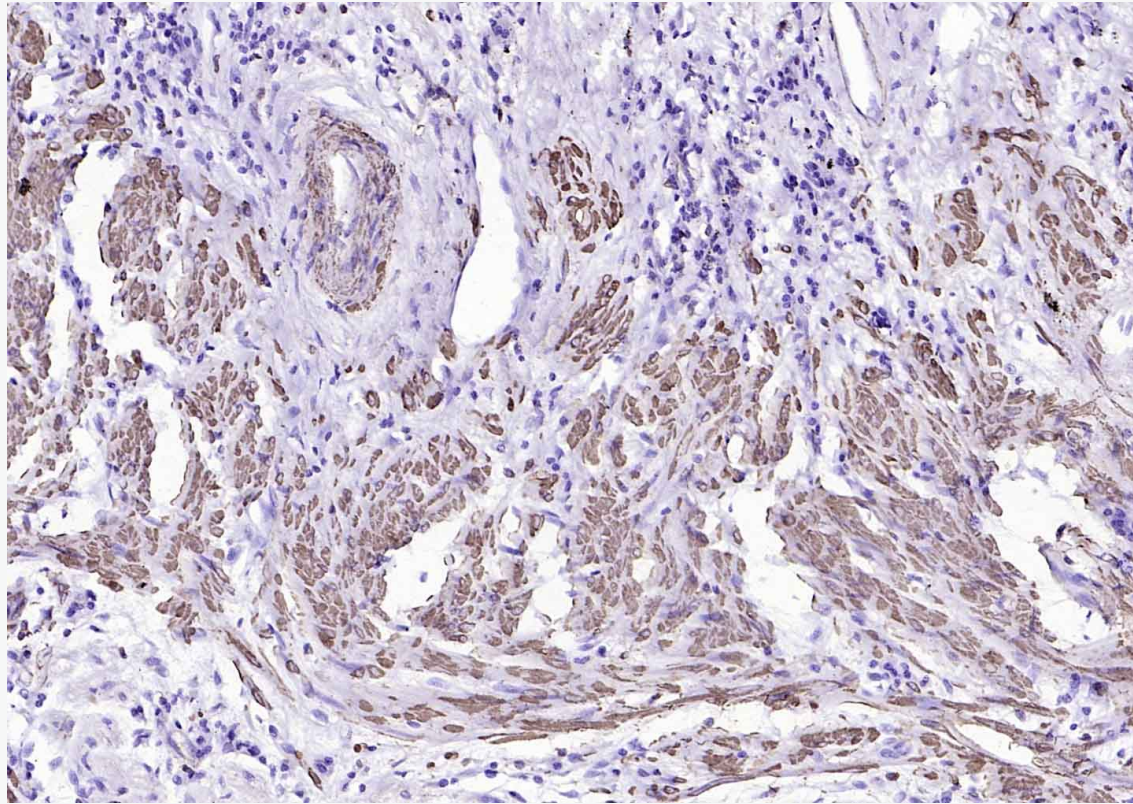
[IF=7.003] Chen et al. A novel Meloidogyne graminicola effector, MgGPP, is secreted into host cells and undergoes glycosylation in concert with proteolysis to suppress plant defenses and promote

parasitism. (2017) PLoS.Patho. 13:e1006301 **WB ; Mouse.**

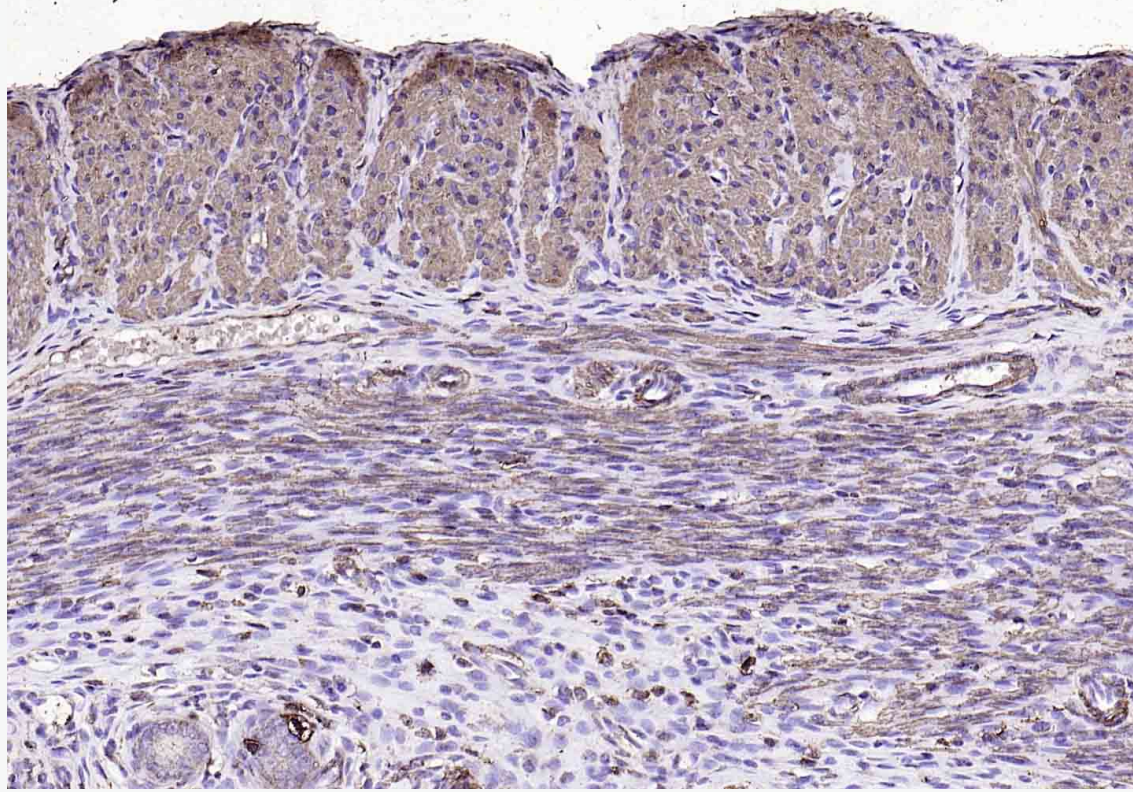
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Immunogen Species	Goat
Clonality	Polyclonal
React Species	Mouse,
Applications	WB=1:2000-20000,IHC-P=1:200-1000,IHC-F=1:200-1000,ELISA=1:2000-20000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Form	Liquid
Concentration	2.0 mg/ml
immunogen	Native Mouse IgG
Lsotype	IgG
Purification	affinity purified by Protein G, nonspecific adsorbed
Buffer Solution	10 mM TBS (pH=7.4) with 1% BSA, 3% Proclin300 and 50% glycerol.
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Product Detail	Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

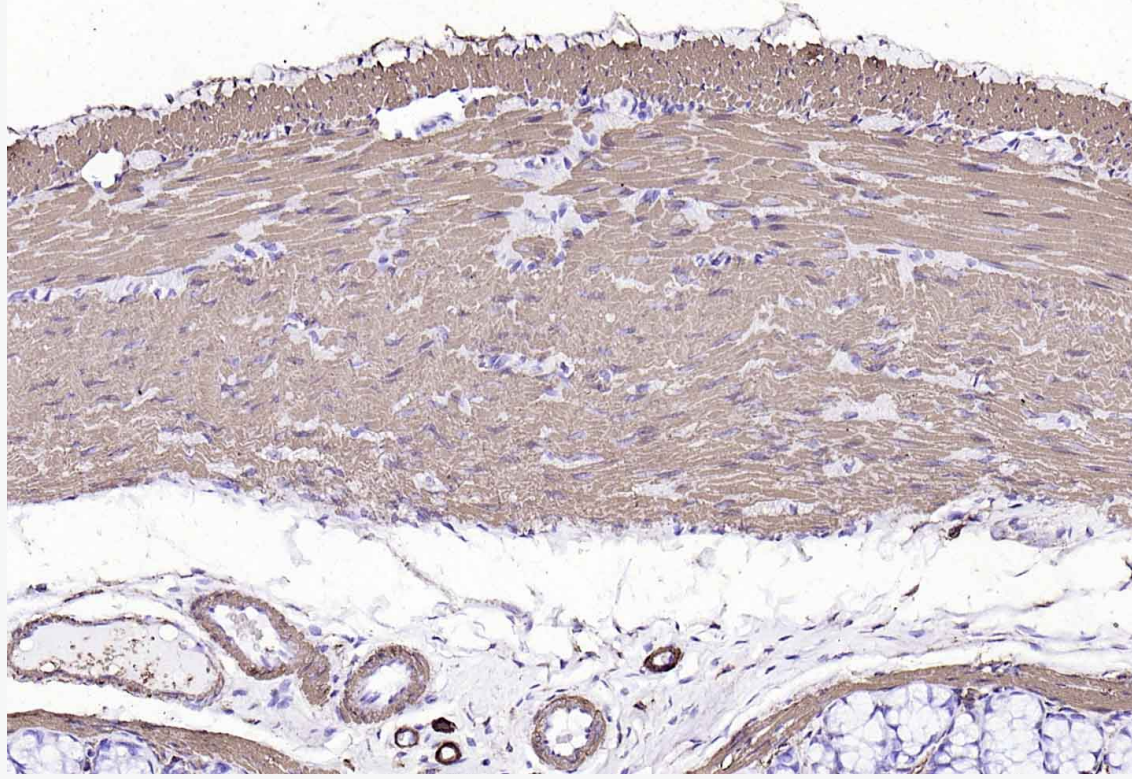
**Product
Picture**



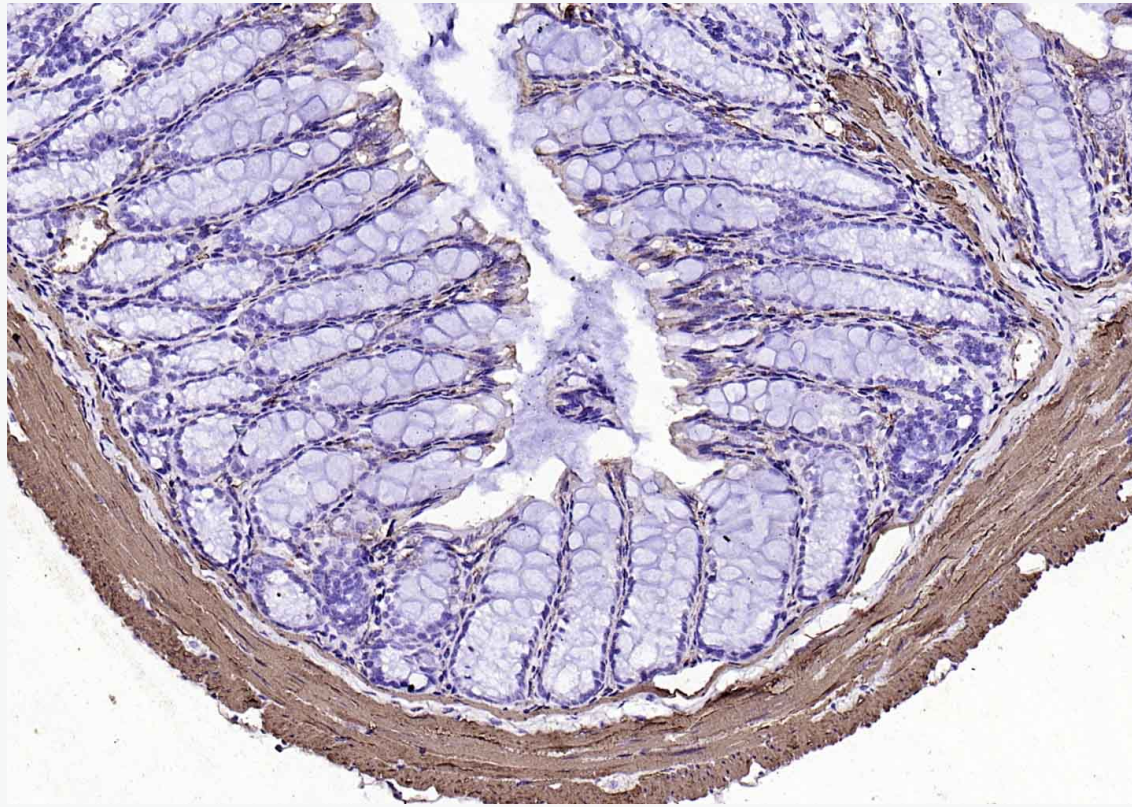
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (alpha smooth muscle Actin) Monoclonal Antibody, Unconjugated (SLM-33187M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:300) instructions and DAB staining.



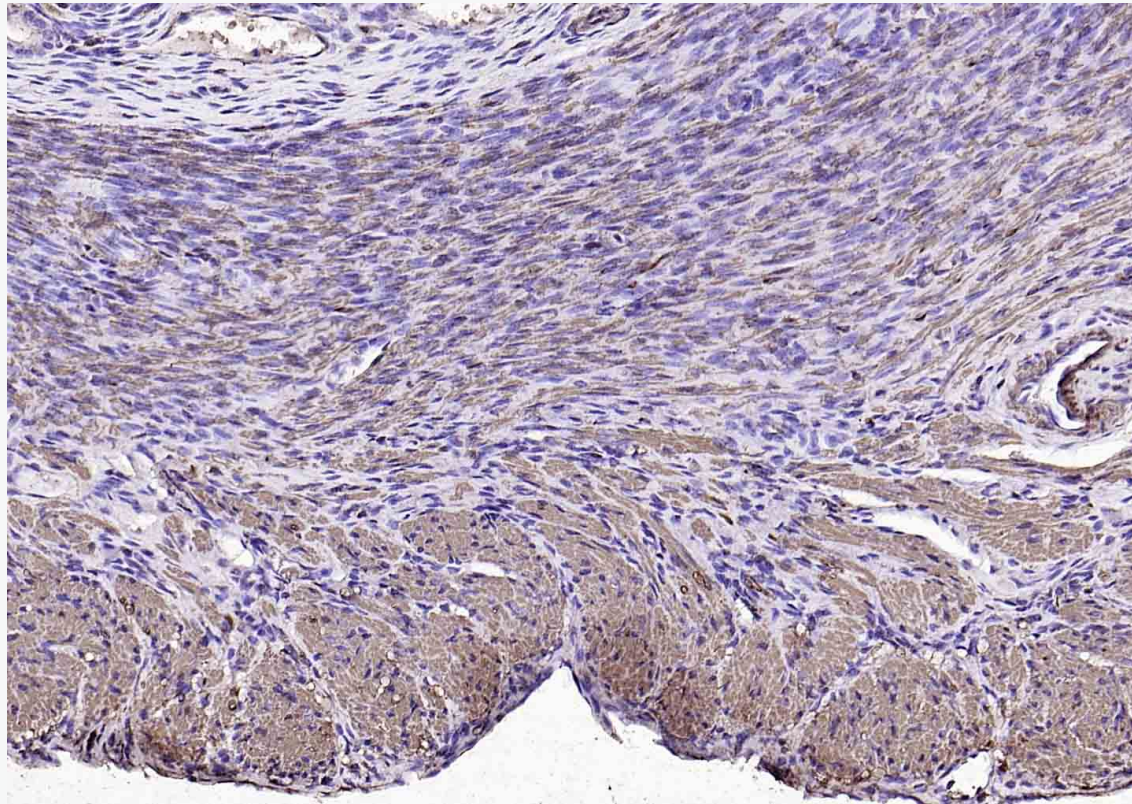
Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (alpha-smooth muscle Actin) Monoclonal Antibody, Unconjugated (SLM-33187M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.



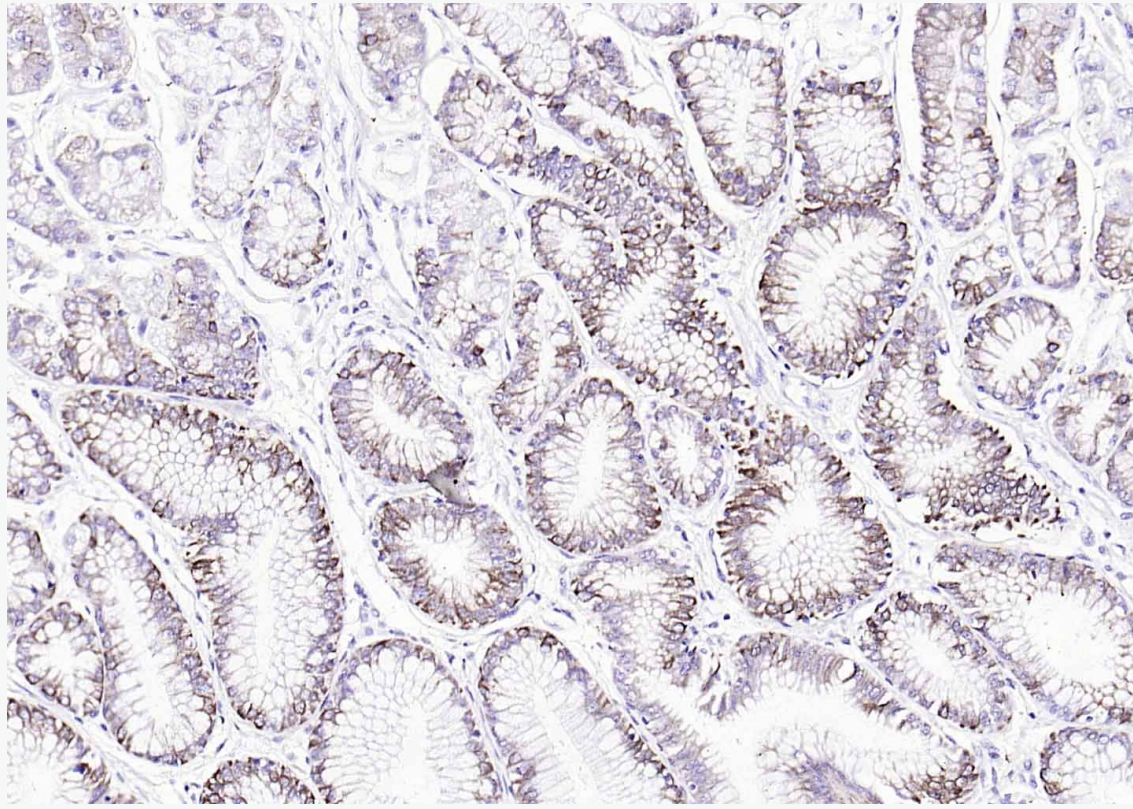
Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (alpha-smooth muscle Actin) Monoclonal Antibody, Unconjugated (SLM-33187M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:300) instructions and DAB staining.



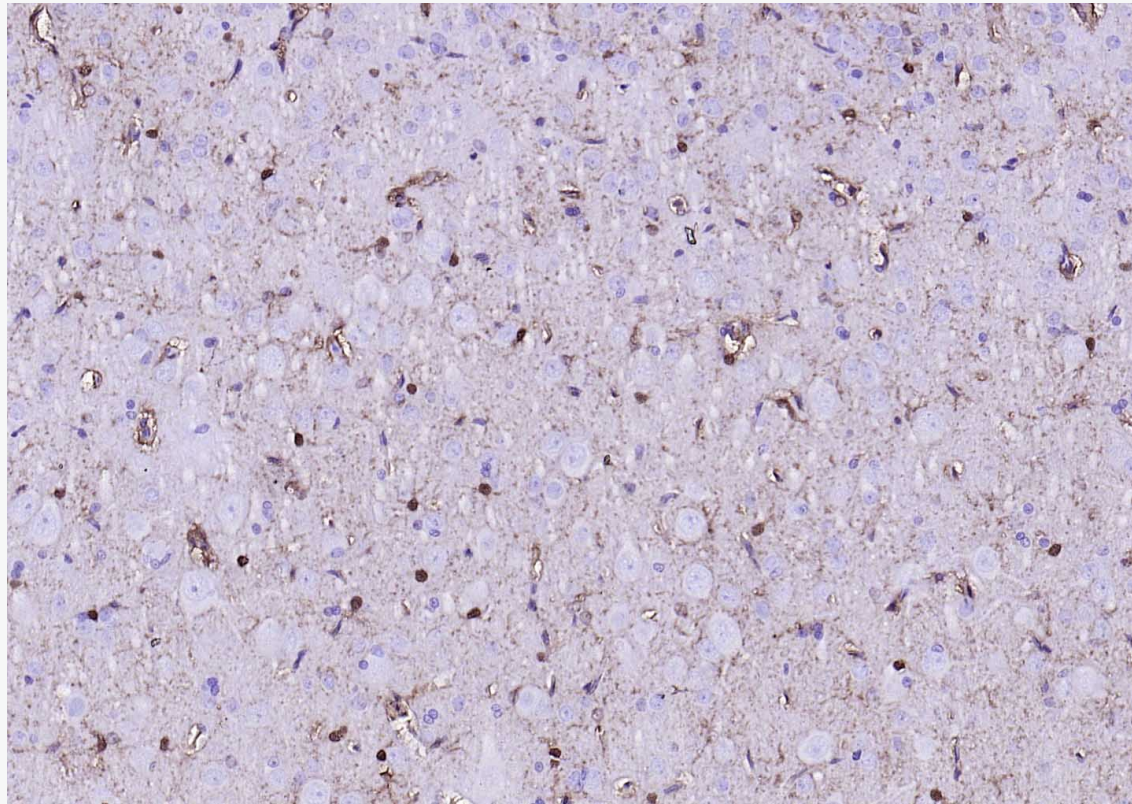
Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (alpha smooth muscle Actin) Monoclonal Antibody, Unconjugated (SLM-33187M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:300) instructions and DAB staining.



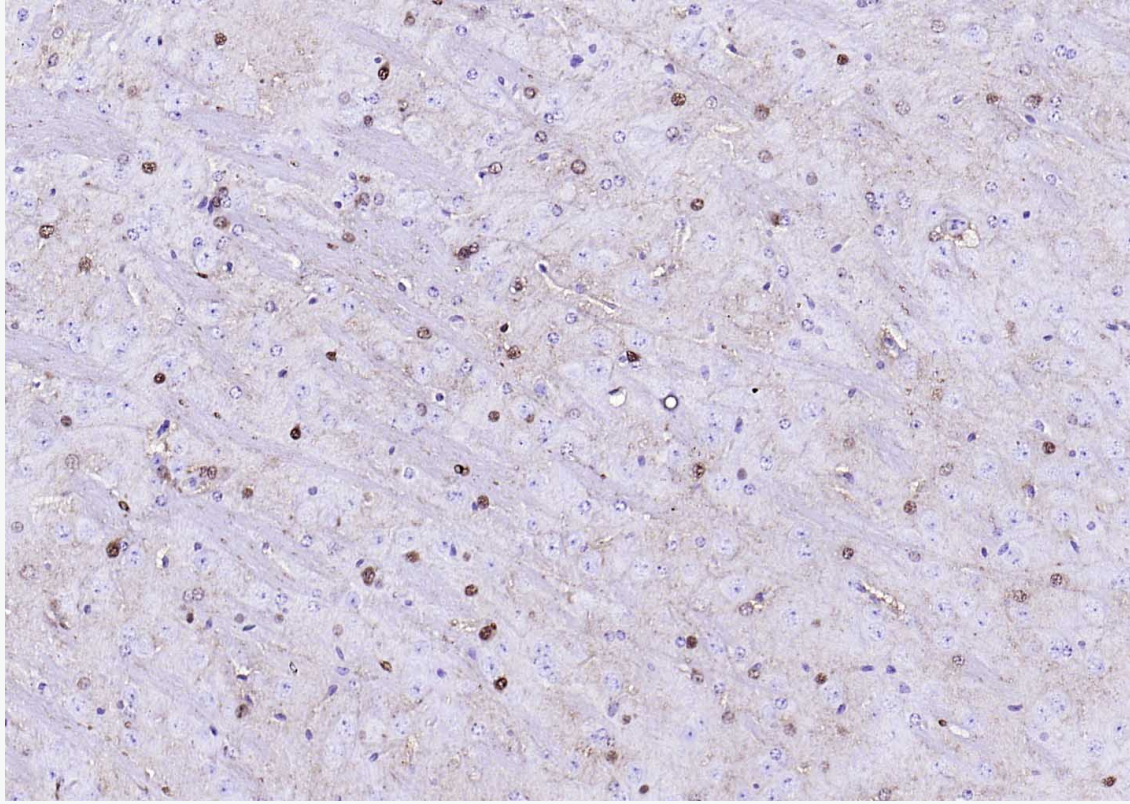
Paraformaldehyde-fixed, paraffin embedded (mouse uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (alpha smooth muscle Actin) Monoclonal Antibody, Unconjugated (SLM-33187M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.



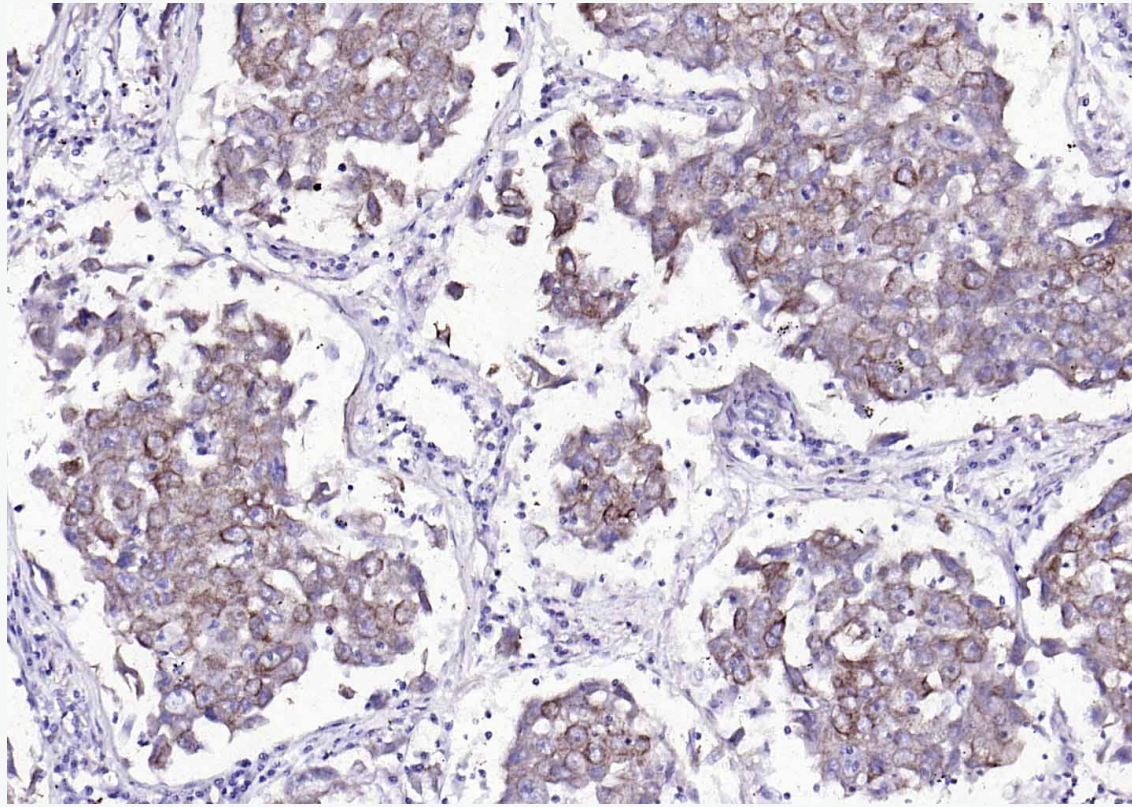
Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cytokeratin 8) Monoclonal Antibody, Unconjugated (SLM-33061M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.



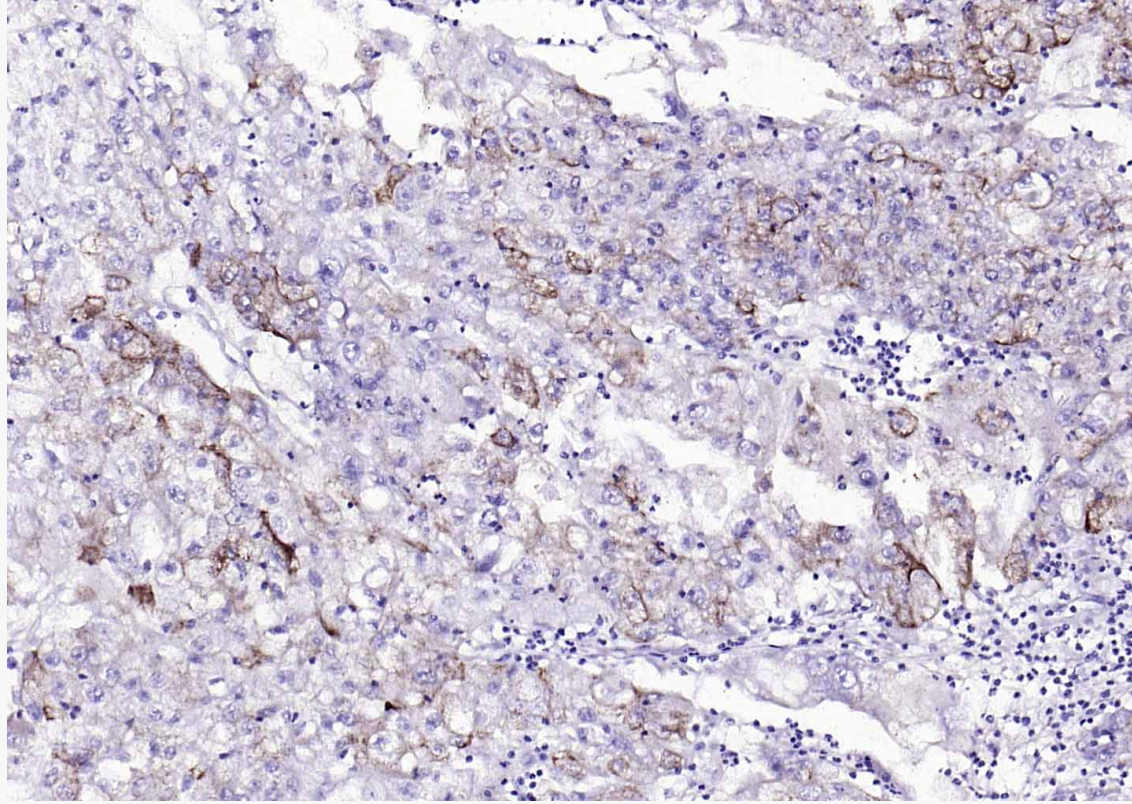
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100B) Monoclonal Antibody, Unconjugated (SLM-10832M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.



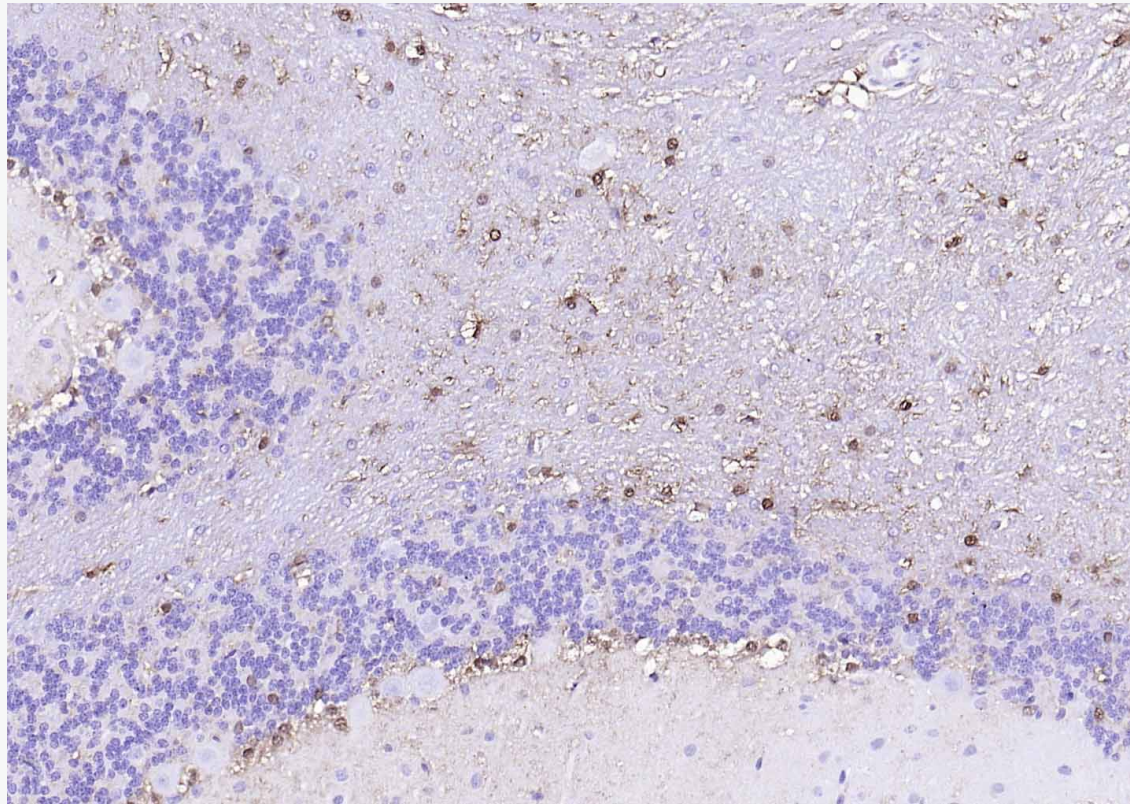
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100B) Monoclonal Antibody, Unconjugated (SLM-10832M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.



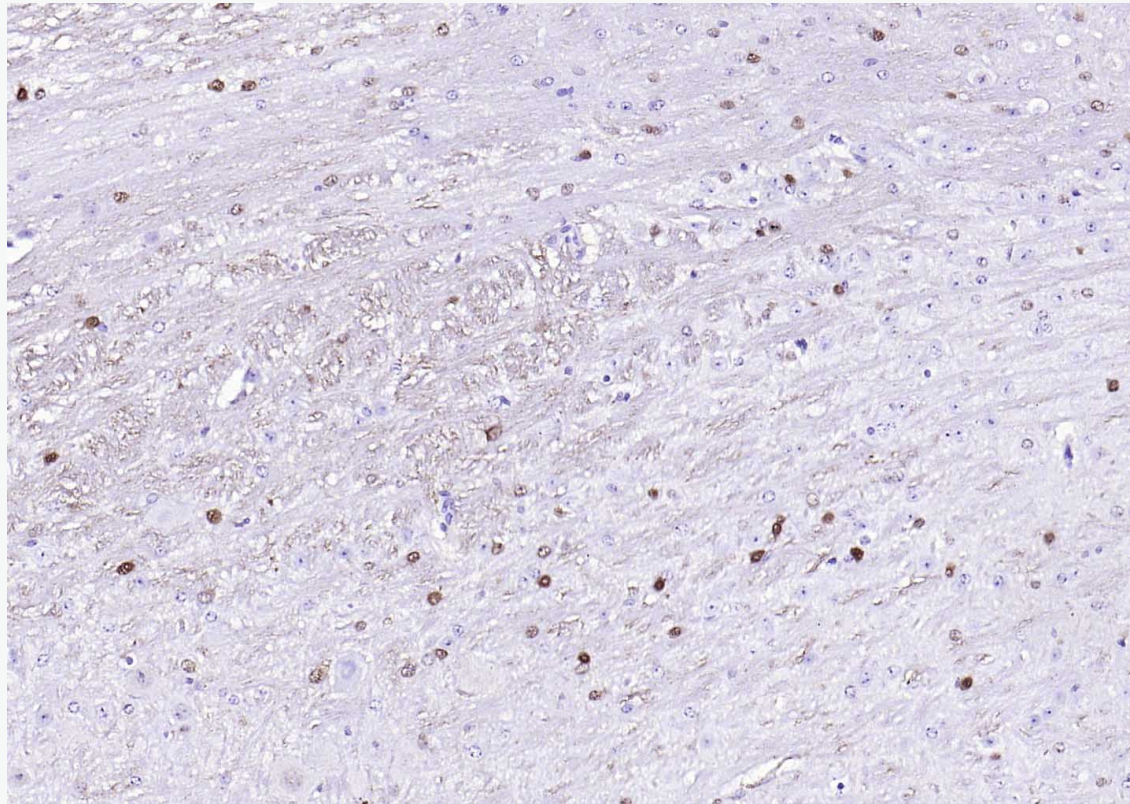
Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cytokeratin 8) Monoclonal Antibody, Unconjugated (SLM-33061M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human endometrial carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK7) Monoclonal Antibody, Unconjugated (SLM-33060M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:100) instructions and DAB staining.

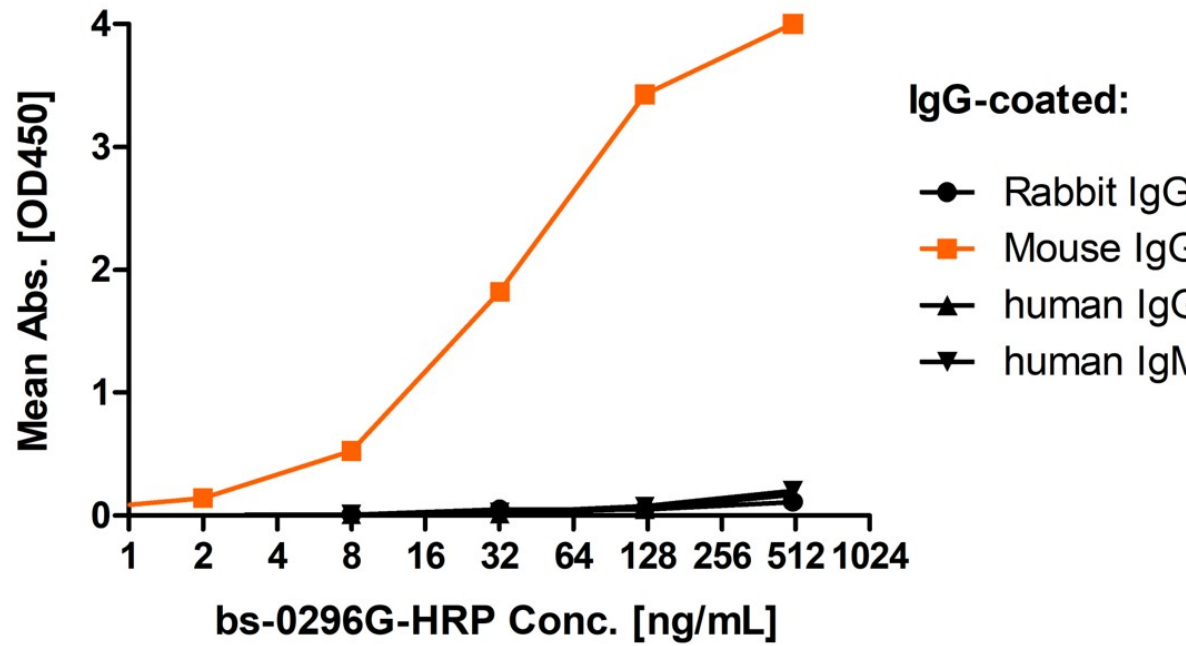


Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100B) Monoclonal Antibody, Unconjugated (SLM-10832M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:300) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100B) Monoclonal Antibody, Unconjugated (SLM-10832M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024 SL0296G-HRP 1:300) instructions and DAB staining.

Goat Anti-Mouse IgG H&L/HRP



Immobilized mouse IgG (SL0296P, nothing else) at 0.2 μ g/well can bind Goat Anti-Mouse IgG H&L/HRP antibody (Cat. No. SL0296G-HRP).