

Mouse Anti-MUC6 antibody

SLM-34146M

Product Name MUC6

Chinese Name 粘蛋白 6 单克隆抗体

Alias Gastric mucin 6 ; Gastric Mucin ; Gastric mucin-6 ; MUC 6 ; MUC-6 ; Muc6 ; MUC6 Fragment ; MUC6 mucin ; MUC6 mucin Fragment ; MUC6_HUMAN ; Mucin 6 ; Mucin 6 gastric ; Mucin 6 oligomeric mucus/gel forming ; Mucin glycoprotein Fragment ; Mucin-6 ; Secretory mucin MUC6 Fragment .

Immunogen Species Mouse

Clonality Monoclonal

Clone NO. 11D8

React Species Human,Mouse,Rat

Applications IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 298kDa

Cellular localization Secretory protein

Form Lyophilized or Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human MUC6

Lsotype IgG1,Kappa

Purification affinity purified by Protein A

Buffer Solution Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.171% sodium azide.

Storage Shipped at 4°C. 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.

PubMed [PubMed](#)

Product This gene encodes a member of the mucin protein family. Mucins are high molecular

Detail

weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. [provided by RefSeq, Dec 2016]

Function:

May provide a mechanism for modulation of the composition of the protective mucus layer related to acid secretion or the presence of bacteria and noxious agents in the lumen. Play an important role in the cytoprotection of epithelial surfaces and are used as tumor markers in a variety of cancers. May play a role in epithelial organogenesis.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in the regenerative zone of gastric antrum, gastric body mucosa and gastric incisura mucosa. Expressed in the deeper mucous glands of gastric antrum. Overexpressed in Helicobacter pylori infected gastric epithelium. Highly expressed in duodenal Brunner's glands, gall bladder, seminal vesicle, pancreatic centroacinar cells and ducts, and periductal glands of the common bile duct.

Post-translational modifications:

O-glycosylated.

Similarity:

Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 TIL (trypsin inhibitory-like) domain. Contains 3 VWFD domains.

SWISS:

Q6W4X9

Gene ID:

4588

Database links:

[Entrez Gene: 4588](#) Human

[Entrez Gene: 353328](#) Mouse

[Entrez Gene: 282586](#) Rat

[Omim: 158374](#) Human

[SwissProt: Q6W4X9](#) Human

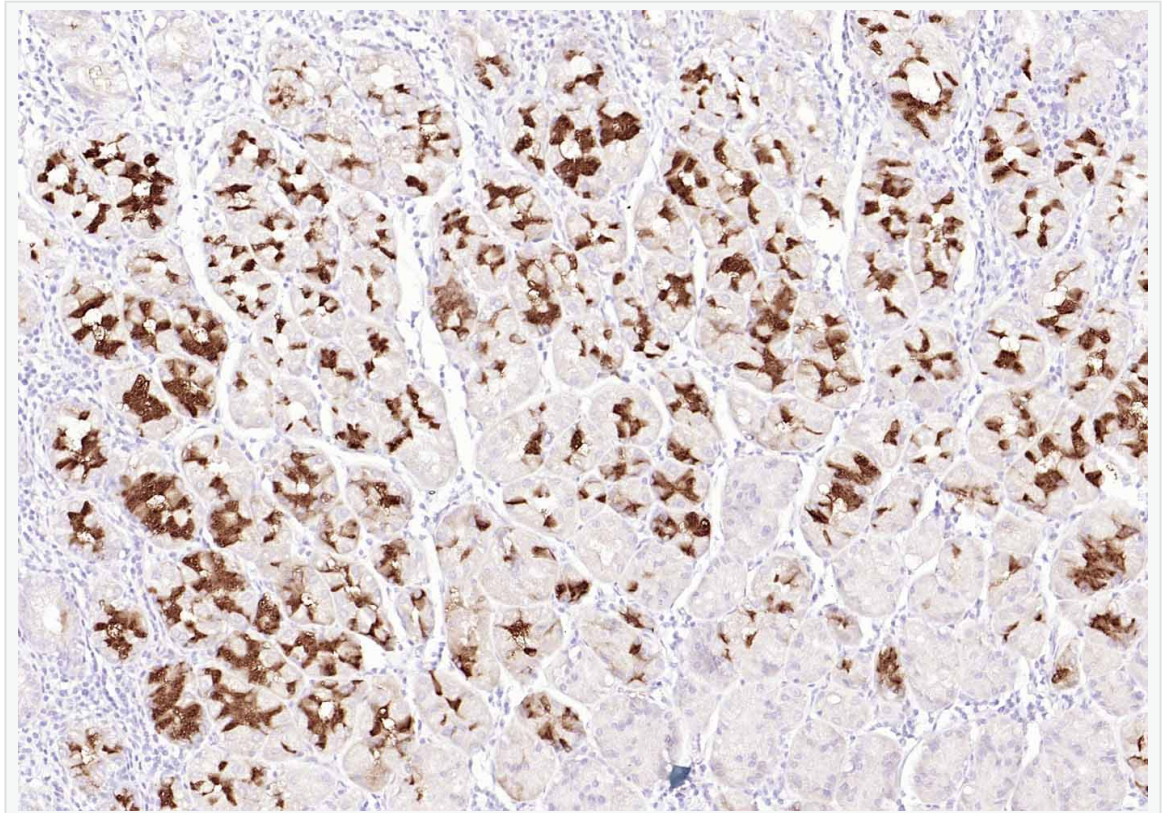
[SwissProt: Q80T03](#) Mouse

[Unigene: 528432](#) Human

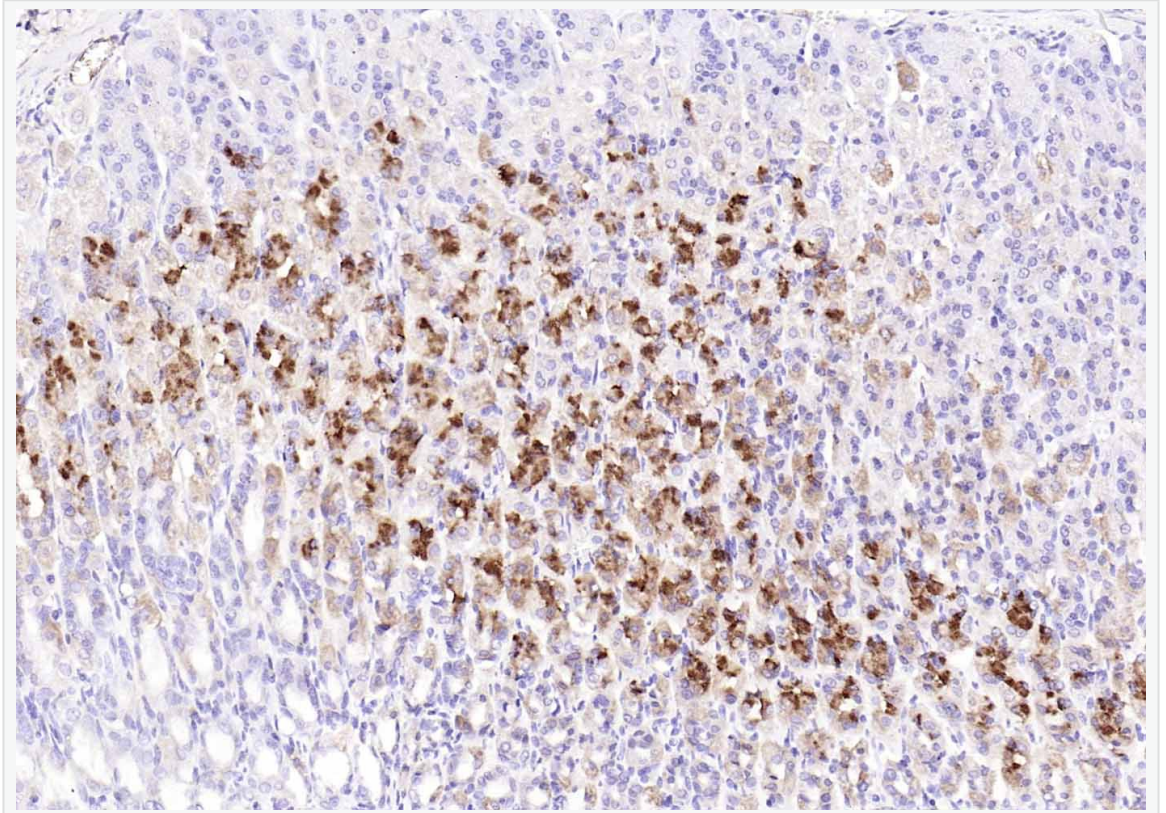
[Unigene: 246621](#) Mouse

[Unigene: 92457](#) Rat

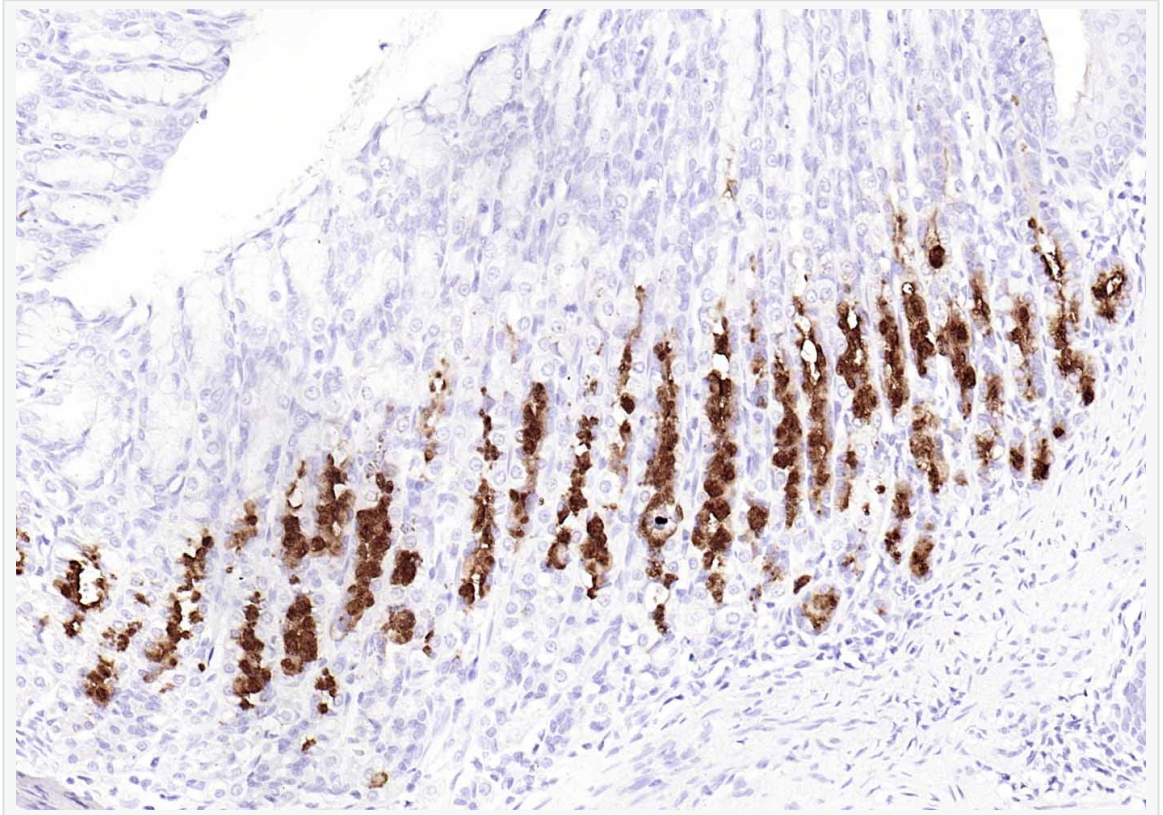
**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (human stomach); 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; Incubation with (MUC6) Monoclonal Antibody, Unconjugated (SLM-34146M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse stomach); 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; Incubation with (MUC6) Monoclonal Antibody, Unconjugated (SLM-34146M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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; Incubation with (MUC6) Monoclonal Antibody, Unconjugated (SLM-34146M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.