

Rabbit Anti-PAR1 antibody

SL0828R

Product Name PAR1

Chinese Name 蛋白酶激活受体-1 抗体

Alias SAR; PAR-1; PAR 1; BXR; CF2R; F2R; HTR; TR; Proteinase-activated receptor 1 precursor; Proteinase activated receptor 1; Thrombin receptor; Coagulation factor II receptor; Prader-Willi/Angelman region-1; Coagulation factor II (thrombin) receptor; PAR1_HUMAN;

Research Area Tumour Cell biology Signal transduction Kinases and Phosphatases The cell membrane 受体

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Mouse, Rat,

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 42kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human PAR1: 251-350/425 <Cytoplasmic>

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

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](#)

Coagulation factor II receptor is a 7-transmembrane receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. F2R is a G-protein coupled receptor family member. [provided by RefSeq, Jul 2008]

Function:

High affinity receptor for activated thrombin coupled to G proteins that stimulate phosphoinositide hydrolysis. May play a role in platelets activation and in vascular development.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Platelets and vascular endothelial cells.

Post-translational modifications:

A proteolytic cleavage generates a new N-terminus that functions as a tethered ligand. Phosphorylated; probably mediating desensitization prior to the uncoupling and internalization of the receptor.

**Product
Detail**

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P25116

Gene ID:

2149

Database links:

[Entrez Gene: 2149](#) Human

[Omim: 187930](#) Human

[SwissProt: P56488](#) Baboon

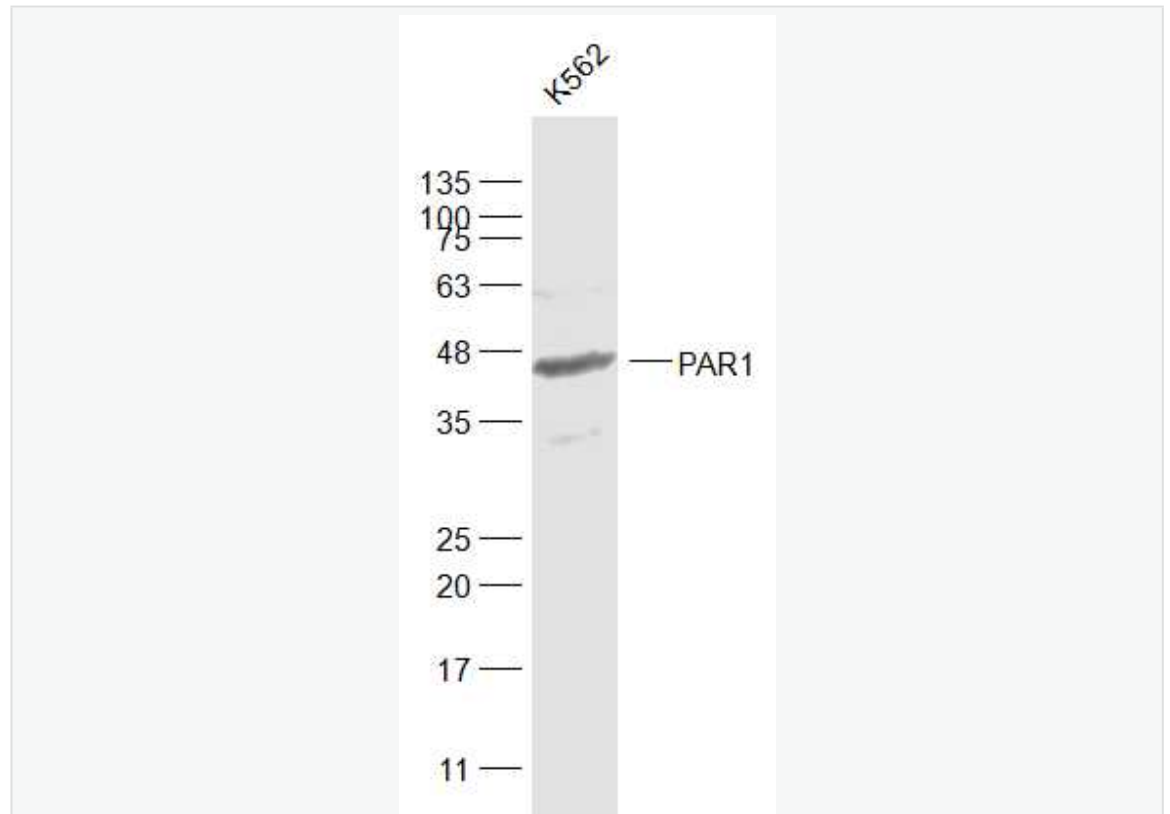
[SwissProt: P25116](#) Human

[Unigene: 482562](#) Human

PAR 蛋白全称为蛋白酶体活化受体(Protease-activated receptors), 又称: 凝血酶受体 (Thrombin Receptor)是独立家族的 G protein-coupled receptor, 研究认为与炎症, 实体 Tumour 等密切相关。

PAR1 蛋白是乳腺癌细胞浸润和迁移的必需因子, 它是作为基质金属蛋白酶 1 (MMP-1) 的受体关键性作用, 这一研究结果为研制新的抗癌药物提供新的靶点。

**Product
Picture**



Sample:

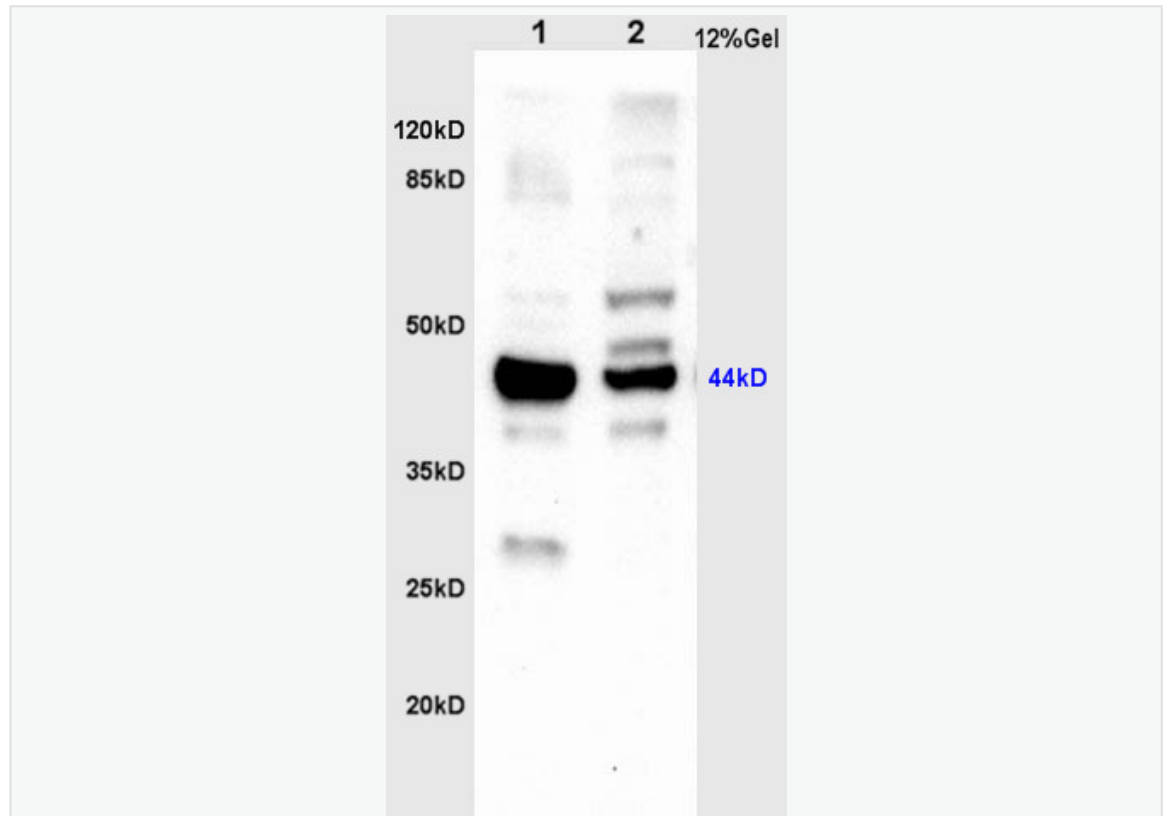
K562(Human) Cell Lysate at 30 ug

Primary: Anti-PAR1 (SL0828R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kD

Observed band size: 42 kD



Sample:

Brain (Rat) Lysate at 30 ug

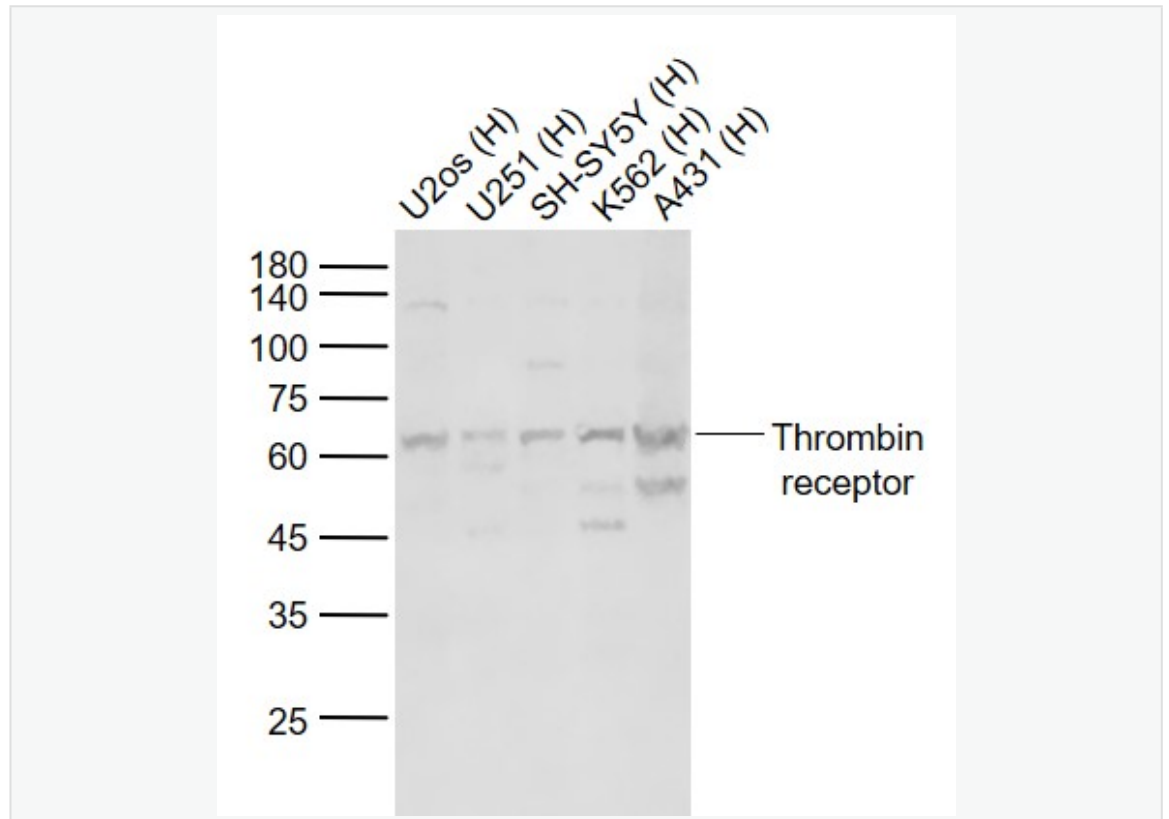
Liver (Mouse) Lysate at 30 ug

Primary: Anti- PAR-1 (SL0828R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(SL0295G-HRP) at 1: 3000 dilution;

Predicted band size : 42kD

Observed band size : 44kD



Sample:

Lane 1: U2os (Human) Cell Lysate at 30 ug

Lane 2: U251 (Human) Cell Lysate at 30 ug

Lane 3: SH-SY5Y (Human) Cell Lysate at 30 ug

Lane 4: K562 (Human) Cell Lysate at 30 ug

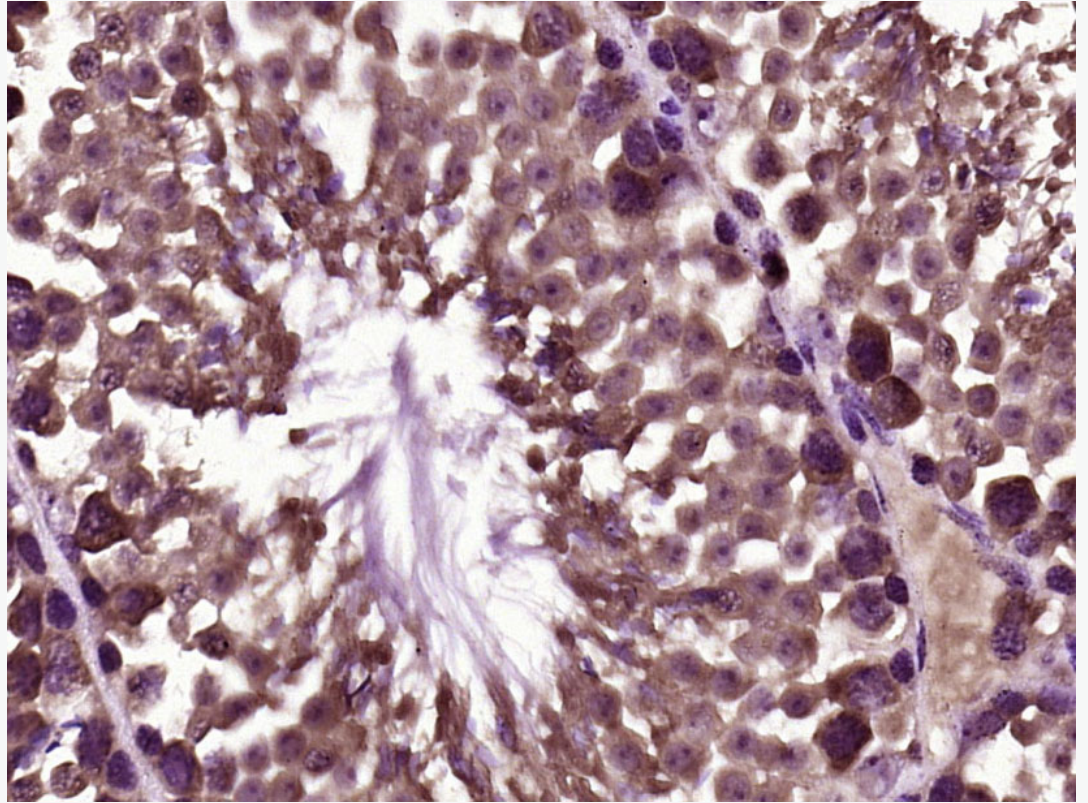
Lane 5: A431 (Human) Cell Lysate at 30 ug

Primary: Anti-Thrombin receptor (SL0828R) at 1/1000 dilution

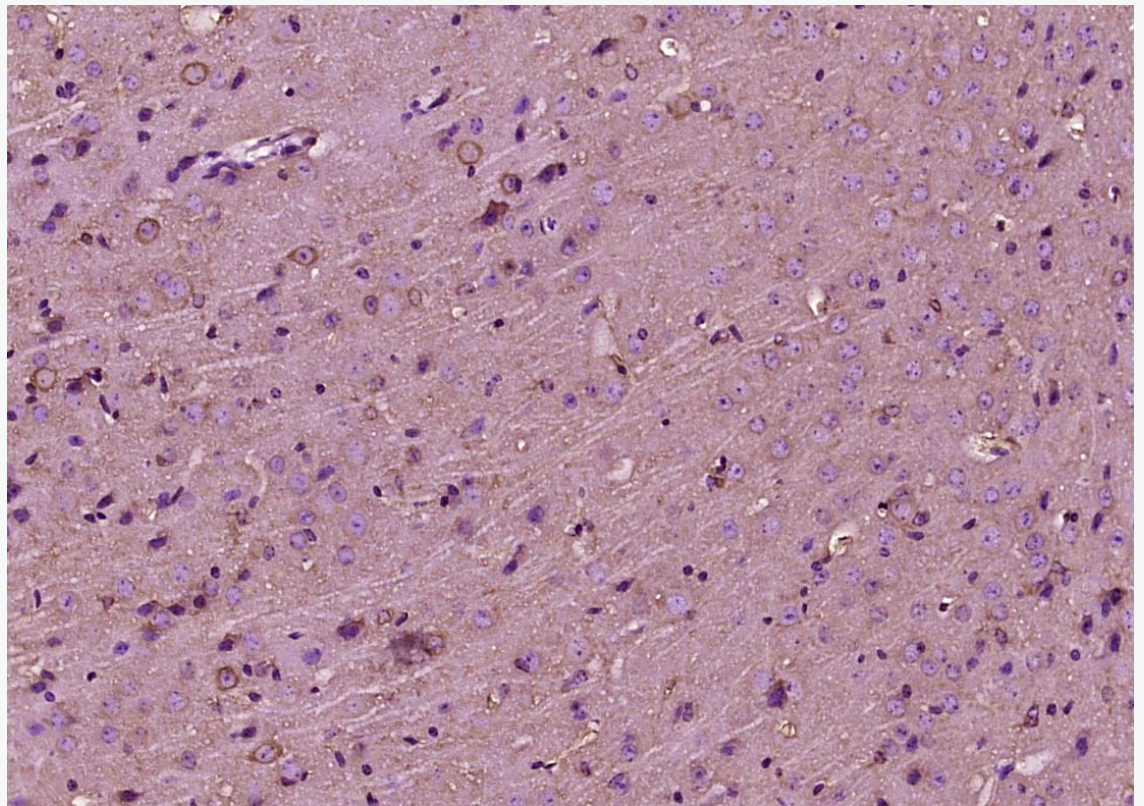
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 65 kD

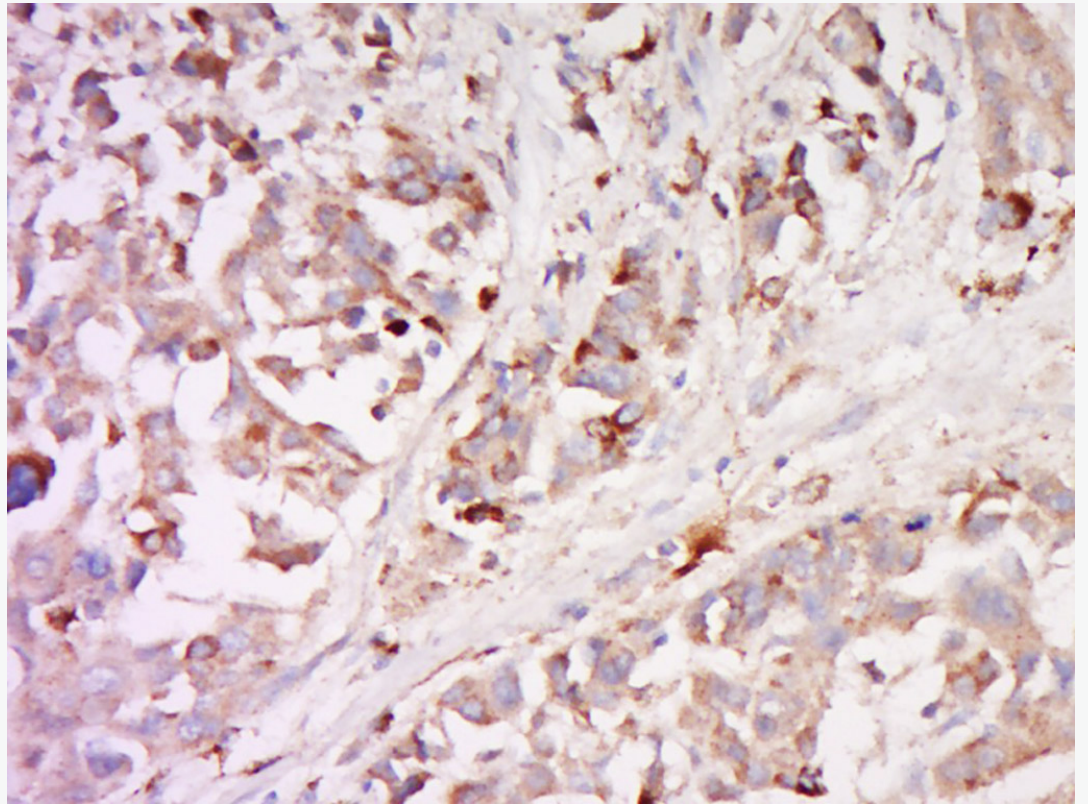
Observed band size: 62 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); 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 (Thrombin receptor PAR1) Polyclonal Antibody, Unconjugated (SL0828R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



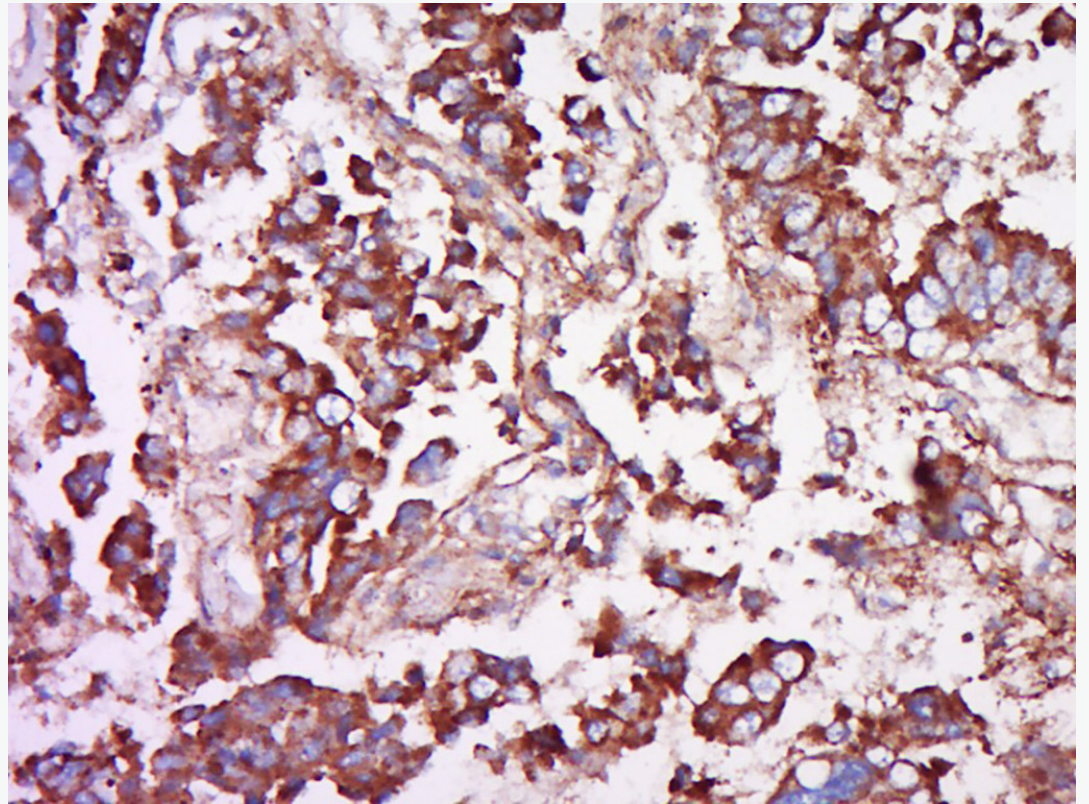
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Thrombin receptor/ PAR1) Polyclonal Antibody, Unconjugated (SL0828R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human mammary cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

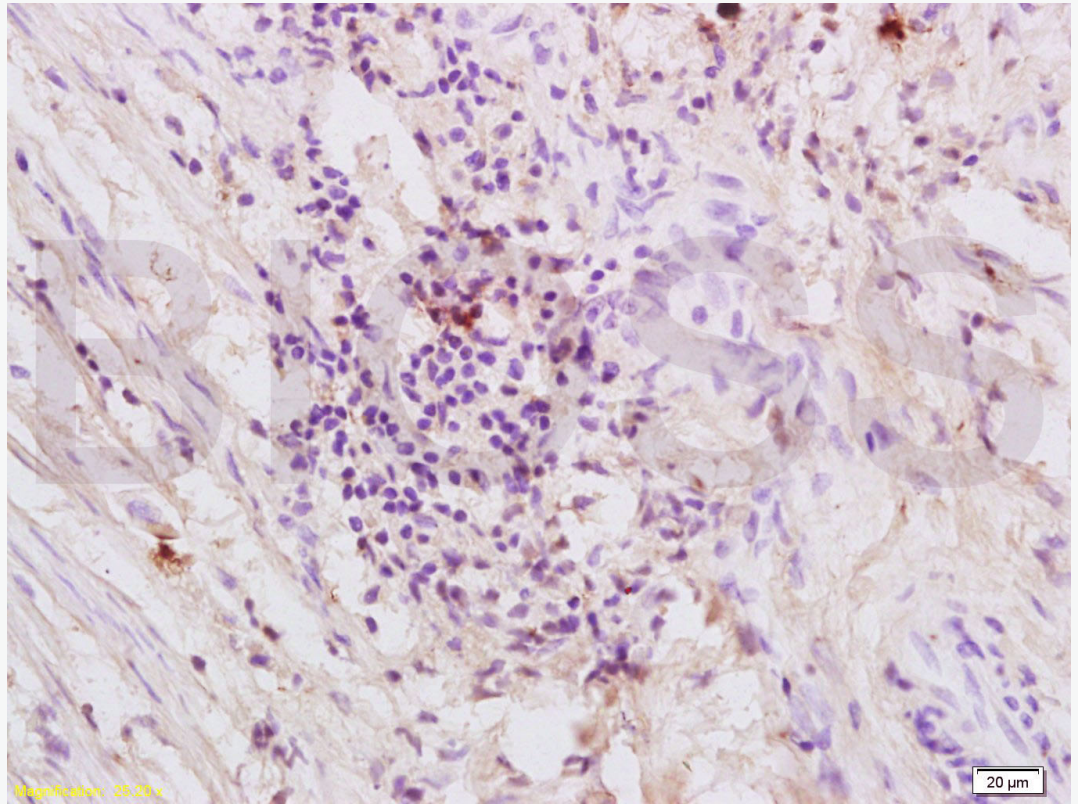
Incubation: Anti-PAR1 Polyclonal Antibody, Unconjugated(SL0828R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

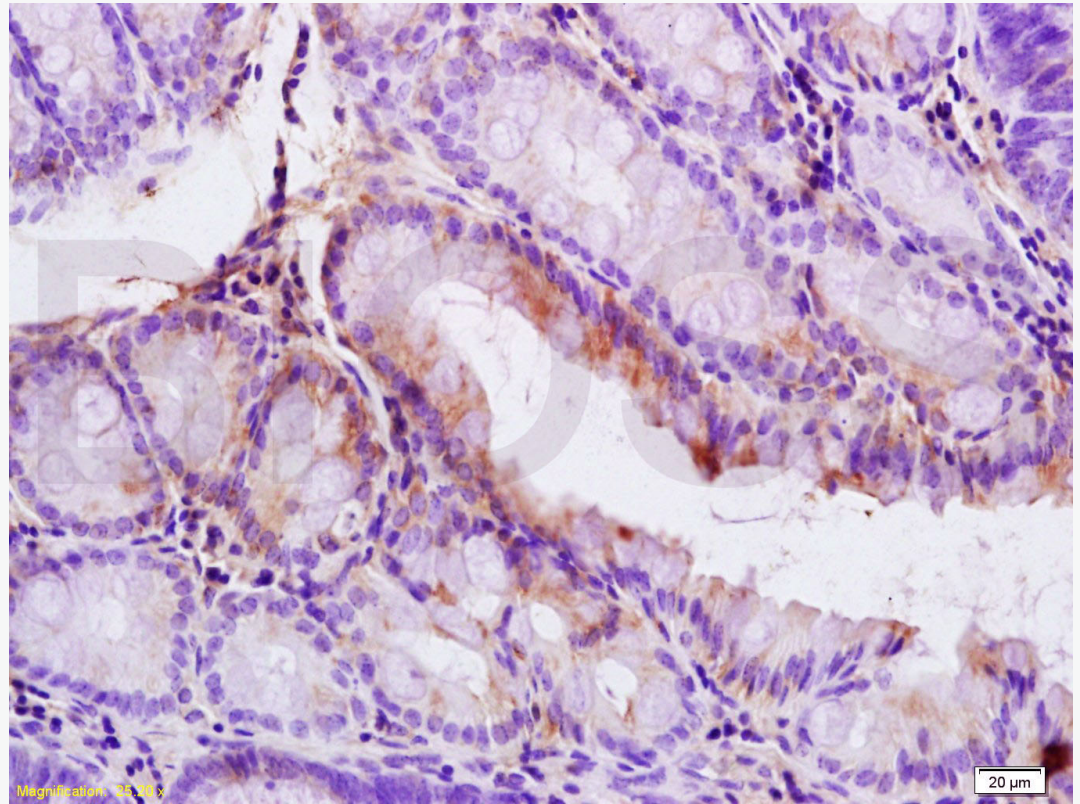
Incubation: Anti-PAR1 Polyclonal Antibody, Unconjugated(SL0828R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PAR-1 Polyclonal Antibody, Unconjugated(SL0828R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat colitis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal
goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-PAR-1 Polyclonal Antibody, Unconjugated(SL0828R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining