

Anti-TIMP-1 Antibody (7V162)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 21 kDa.
Clone:	7V162
Purification:	Protein G purified

Applications

1. Sample:

Lane 1: Mouse Stomach tissue lysates

Lane 2: Mouse Lung tissue lysates

Lane 3: Rat Stomach tissue lysates

Lane 4: Rat Colon tissue lysates

Lane 5: Rat Lung tissue lysates

Primary: Anti-TIMP-1 (TMAB-01843) at 1/1000 dilution

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

Predicted band size: 21 kDa

Observed band size: 28 kDa

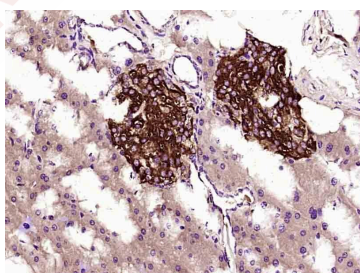
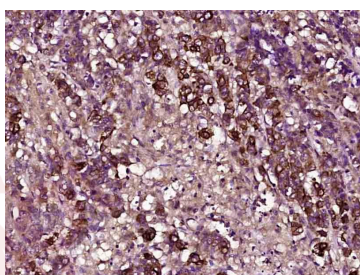
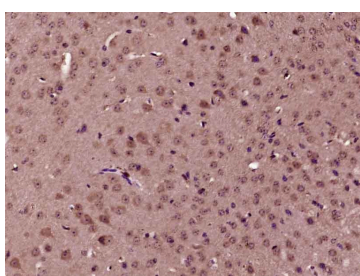
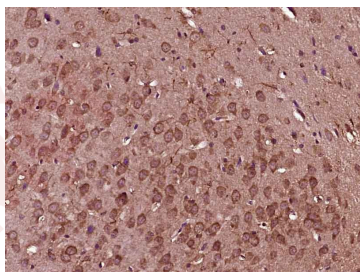
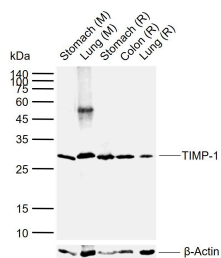
2. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TIMP-1) Monoclonal Antibody, Unconjugated (TMAB-01843) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

Verified Activity:

3. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TIMP-1) Monoclonal Antibody, Unconjugated (TMAB-01843) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TIMP-1) Monoclonal Antibody, Unconjugated (TMAB-01843) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (Mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TIMP-1) Monoclonal Antibody, Unconjugated (TMAB-01843) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Application: FCM, ICC/IF

Recommended FCM: 1ug/Test; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human TIMP-1
Antigen Species:	Human
Gene ID:	7076
Uniprot ID:	P01033
Synonyms:	TIMP metalloproteinase inhibitor 1
Biology Area:	TIMPs,TIMPs,TIMP,TIMPs,TIMP1 / TIMP2

Research Background

This gene belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction. [provided by RefSeq].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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