

Anti-TIMP-1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 21 kDa. Actual: 25 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Lane 1: TIMP-1 fusion protein 0.2 µg

Primary: Anti-TIMP-1 (TMAB-01845) at 1/1000 dilution

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

Predicted band size: 21 kDa

Observed band size: 25 kDa

2. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

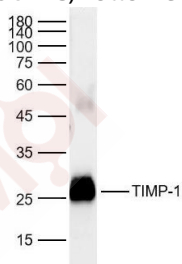
Incubation: Anti-TIMP-1 (CT) Polyclonal Antibody, Unconjugated (TMAB-01845) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

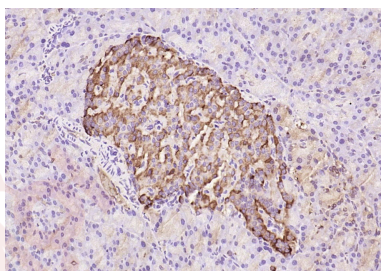
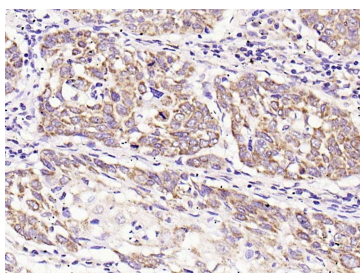
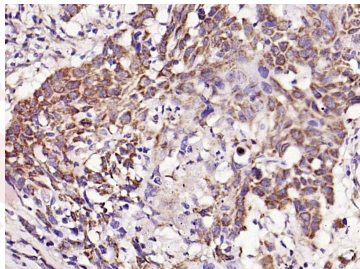
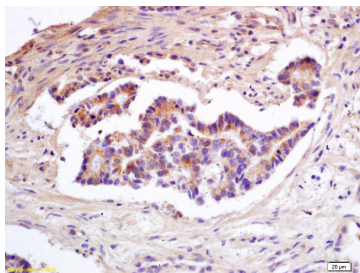
Verified Activity:

3. Paraformaldehyde-fixed, paraffin embedded (human esophagus cancer); 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) Polyclonal Antibody, Unconjugated (TMAB-01845) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (human esophagus cancer); 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) Polyclonal Antibody, Unconjugated (TMAB-01845) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (rat 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) Polyclonal Antibody, Unconjugated (TMAB-01845) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: WB
Recommended WB=1:500-2000

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: KLH conjugated synthetic peptide: 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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