

## TIMP-3 Polyclonal Antibody

<b>Catalog No :</b>	YT4660
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	TIMP-3
<b>Fields :</b>	>>Proteoglycans in cancer;>>MicroRNAs in cancer
<b>Gene Name :</b>	TIMP3
<b>Protein Name :</b>	Metalloproteinase inhibitor 3
<b>Human Gene Id :</b>	7078
<b>Human Swiss Prot No :</b>	P35625
<b>Mouse Gene Id :</b>	21859
<b>Mouse Swiss Prot No :</b>	P39876
<b>Rat Swiss Prot No :</b>	P48032
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TIMP3. AA range:91-140
<b>Specificity :</b>	TIMP-3 Polyclonal Antibody detects endogenous levels of TIMP-3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 25kD

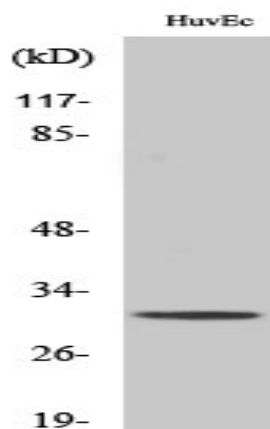
**Background :** This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008],

**Function :** disease:Defects in TIMP3 are the cause of Sorsby fundus dystrophy (SFD) [MIM:136900]. SFD is a rare autosomal dominant macular disorder with an age of onset in the fourth decade. It is characterized by loss of central vision from subretinal neovascularization and atrophy of the ocular tissues. Generally, macular disciform degeneration develops in the patients eye within 6 months to 6 years.,function:Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15.,online information:Retina International's Scientific Newsletter,similarity:Belongs to the protease inhibitor I35 (TIMP) family.,similarity:Contains 1 NTR domain.,

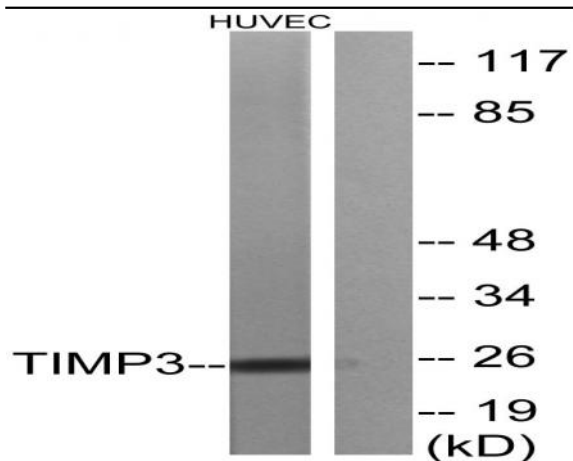
**Subcellular Location :** Secreted, extracellular space, extracellular matrix.

**Expression :** Kidney,Mammary carcinoma,Pancreas,Placenta,Retina,Uterus,

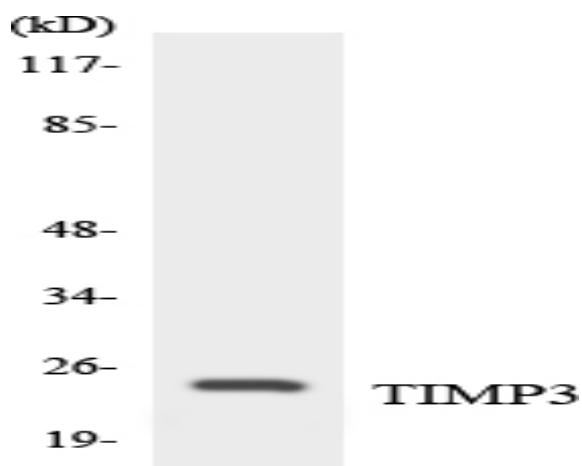
## Products Images



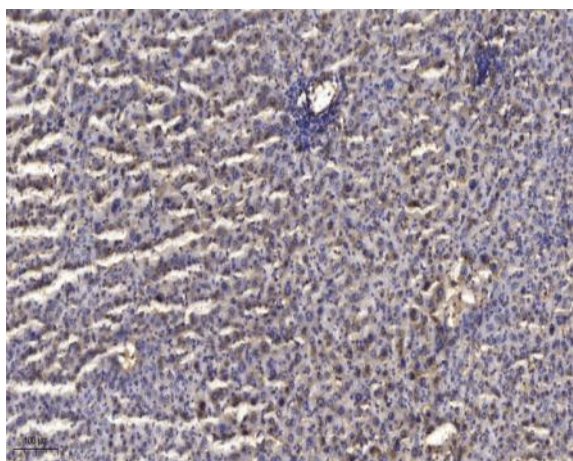
Western Blot analysis of various cells using TIMP-3 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from HUVEC cells, using TIMP3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using TIMP3 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).