

TIMP-3 Polyclonal Antibody

CatalogNo: YT4660 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 25kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**IHC 1:50-300****ELISA 1:2000-20000**

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** 1 mg/ml

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human TIMP3. AA range:91-140**Specificity** TIMP-3 Polyclonal Antibody detects endogenous levels of TIMP-3 protein.

Target Information

Gene name TIMP3

Protein Name Metalloproteinase inhibitor 3

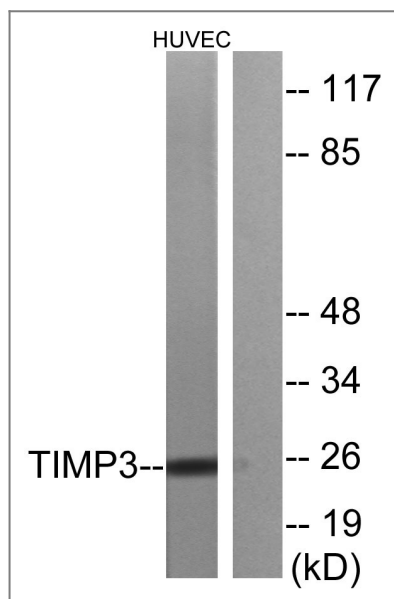
Organism	Gene ID	UniProt ID
Human	7078;	P35625;
Mouse	21859;	P39876;
Rat		P48032;

Cellular Localization Secreted, extracellular space, extracellular matrix.

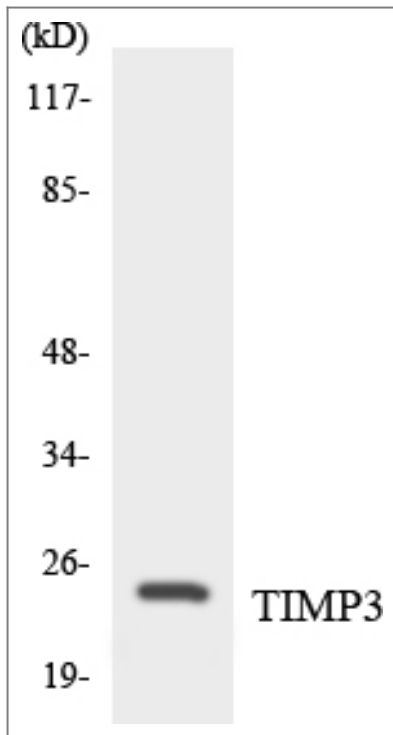
Tissue specificity Kidney,Mammary carcinoma,Pancreas,Placenta,Retina,Uterus,

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.,

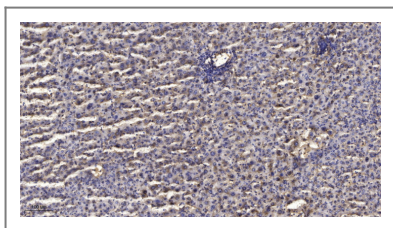
Validation Data



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).

Contact information

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Please scan the QR code to access additional product information:
TIMP-3 Polyclonal Antibody

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