Product Name: TIMP-3 Rabbit Polyclonal Antibody
Catalog #: APRab18952

Summary

Production Name	TIMP-3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TIMP3
Alternative Names	TIMP3; Metalloproteinase inhibitor 3; Protein MIG-5; Tissue inhibitor of metalloproteinases 3; TIMP-3
Gene ID	7078.0
SwissProt ID	P35625.The antiserum was produced against synthesized peptide derived from human TIMP3. AA range:91-140

Application

Dilution Ratio	WB 1:500-2000; ELISA 2000-20000
Molecular Weight	25kD

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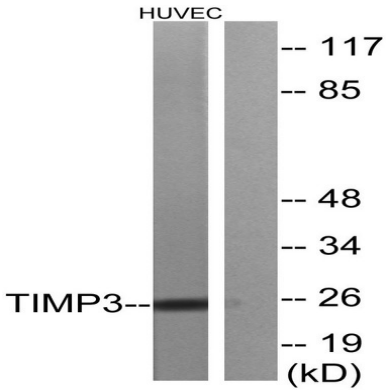
Background

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],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.,

Research Area

Image Data



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

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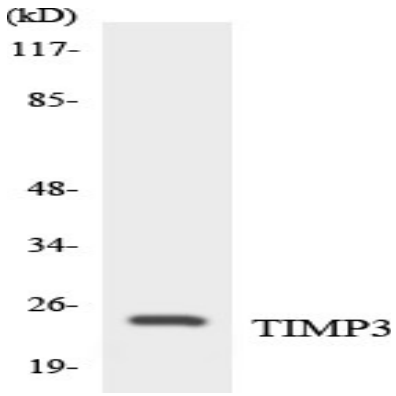
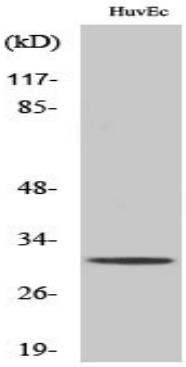


Western blot analysis of the lysates from HepG2 cells using TIMP3 antibody.



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

Note

For research use only.