Product Name: **TIMP-3 Rabbit Polyclonal Antibody**
Catalog #: **APRab18952**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
Molecular Weight	25kDa

Antigen Information

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
Immunogen	The antiserum was produced against synthesized peptide derived from human TIMP3. AA range:91-140

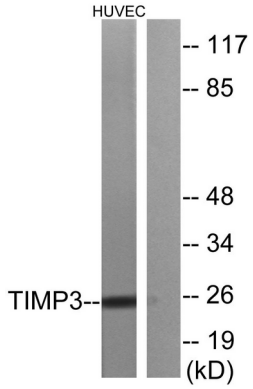
Background

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.,

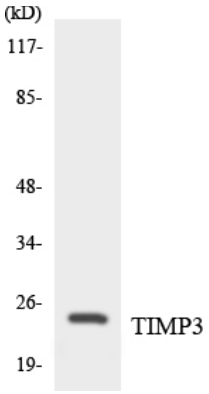
Research Area

Cell Biology; Apoptosis; Extracellular Signals; Granzymes; Cardiovascular; Angiogenesis; Adhesion / ECM; Matrix Metalloproteinases; TIMP; Signal Transduction; Cytoskeleton / ECM; Extracellular Matrix; ECM Enzymes; MMP Inhibitors; Neuroscience; Sensory System; Visual system; Cancer; Invasion/microenvironment; Angiogenesis; Proteolysis / Ubiquitin; Protease inhibitors; Metalloprotease inhibitors

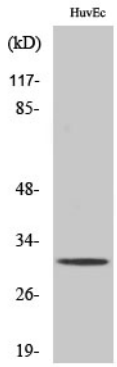
Image Data



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.



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