

产品名称: TIMP-3 Rabbit Polyclonal Antibody
产品货号: APRab18952



产品概述 (Summary)

产品名称 (Production Name)	TIMP-3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	25kDa

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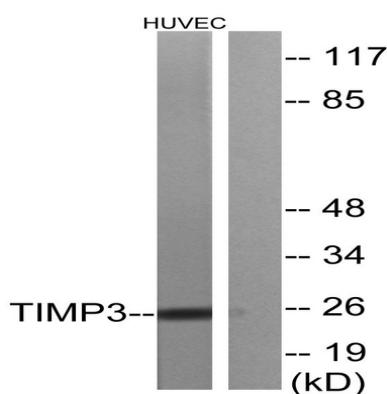
研究背景 (Background)

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 patient's 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.

研究领域 (Research Area)

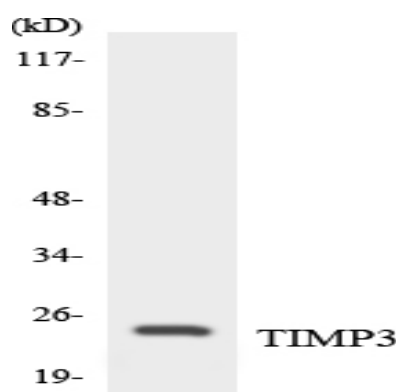
Cell Biology; Apoptosis; Extracellular Signals; Granzymes; Cardiovascular; Angiogenesis; Adhesion / ECM; Matrix Metalloproteinases; TIMP; Signal Transduction; Cytoskeleton / ECM; Extracellular Matrix; ECM Enzymes; MMP Inhibitors; Neuroscience; Sensory System; Visual system; Cancer; Invasion/microenvironment;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

图片 (Image Data)

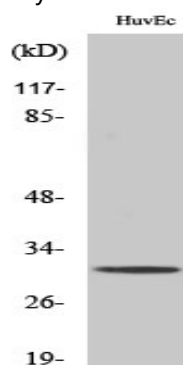


Western blot analysis of lysates from HUVEC cells, using TIMP3 Antibody. The lane on the right is blocked with the synthesized peptide.

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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

注意事项 (Note)

For research use only .