



TIMP-3 Rabbit mAb

Catalog No	YP-rAb-18215
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	TIMP3
Protein Name	Metalloproteinase inhibitor 3
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	TIMP-3;Metalloproteinase inhibitor 3;TIMP3 ; Metalloproteinase inhibitor 3 ; Protein MIG-5 ; Tissue inhibitor of metalloproteinases 3 ; TIMP-3;TIMP3
Observed Band	20kD
Calculated Molecular Weight	24kD
Cell Pathway	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.,



Background

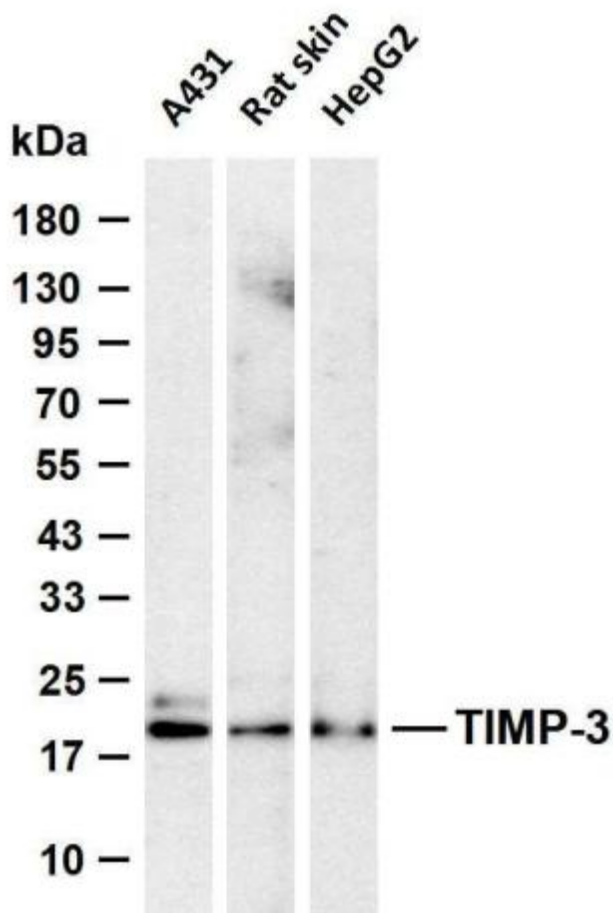
This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin 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],

matters needing attention

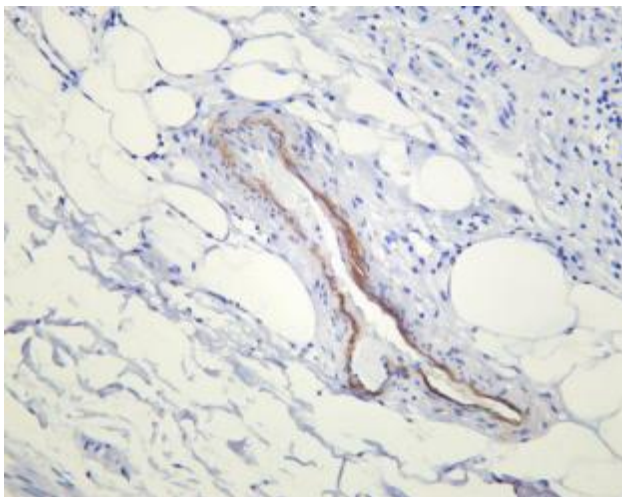
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TIMP-3 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A431 Lane 2: Rat skin Lane 3: HepG2 Predicted band size: 24kDa Observed band size: 20kDa



Human appendix was stained with anti-TIMP-3 Rabbit antibody

