antibodies - online.com







anti-TIMP2 antibody (AA 100-200)



Images



Publication



Overview	
Quantity:	100 μg
Target:	TIMP2
Binding Specificity:	AA 100-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human TIMP2 (NP_003246.1).
Sequence:	VSLDVGGKKE YLIAGKAEGD GKMHITLCDF IVPWDTLSTT QKKSLNHRYQ MGCECKITRC PMIPCYISSP DECLWMDWVT EKNINGHQAK FFACIKRSDG S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	TIMP2

Target Details

Alternative Name:	TIMP2 (TIMP2 Products)
Background:	This gene is a member of the TIMP gene family. The proteins encoded by this gene family are
	natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in
	degradation of the extracellular matrix. In addition to an inhibitory role against
	metalloproteinases, the encoded protein has a unique role among TIMP family members in its
	ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein
	may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of
	quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in
	tissues undergoing remodelling of the extracellular matrix.,TIMP2,CSC-
	21K,DDC8,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental
	Biology,Cytoskeleton,Extracellular Matrix,MMPs,Ubiquitin,Cardiovascular,Angiogenesis,TIMP2
Molecular Weight:	24 kDa
Gene ID:	7077
UniProt:	P16035
Pathways:	cAMP Metabolic Process
Application Details	
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Product cited in:

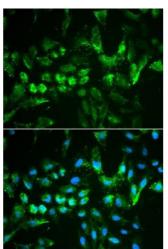
Wang, Zhang, Sun, Wang, Yang, Yang, Zhang, Luo, Wang, Jiang, Zeng, Cai, Bai: "Intra-articular Delivery of Antago-miR-483-5p Inhibits Osteoarthritis by Modulating Matrilin 3 and Tissue Inhibitor of Metalloproteinase 2." in: **Molecular therapy: the journal of the American Society of Gene Therapy**, Vol. 25, Issue 3, pp. 715-727, (2017) (PubMed).

Images



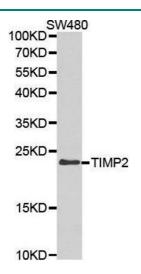
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using TIMP2 Rabbit pAb (ABIN3022132, ABIN3022133, ABIN1513608, ABIN1514751 and ABIN6218618) at dilution of 1:250 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of MCF7 cell using TIMP2 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of SW480 cell lines, using TIMP2 antibody.

Please check the product details page for more images. Overall 7 images are available for ABIN1513608.