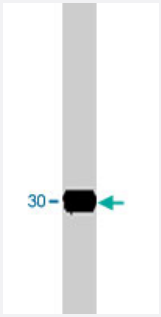
TIMP1 monoclonal antibody, clone 2A5

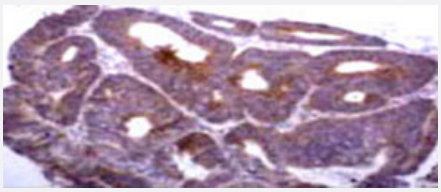
Catalog # MAB1799 Size 200 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of TIMP1 expression in TIMP1 monoclonal antibody, clone 2A5 (Cat # MAB1799) against recombinant human TIMP1 proenzyme (400 ng lane).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of TIMP1 on human colon carcinoma tissue with TIMP1 monoclonal antibody, clone 2A5 (Cat # MAB1799).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of TIMP1.
Immunogen	A synthetic peptide corresponding to human TIMP1.
Host	Mouse
Reactivity	Human, Monkey
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

  Western blot analysis of TIMP1 expression in TIMP1 monoclonal antibody, clone 2A5 (Cat # MAB1799) against recombinant human TIMP1 proenzyme (400 ng lane).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TIMP1

Entrez GeneID	7076
Gene Name	TIMP1
Gene Alias	CLGI, EPA, EPO, FLJ90373, HCI, TIMP
Gene Description	TIMP metallopeptidase inhibitor 1
Omim ID	305370
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are natural i nhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the en coded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytoki nes and hormones. In addition, the expression from some but not all inactive X chromosomes sug gests that this gene inactivation is polymorphic in human females. This gene is located within intro n 6 of the synapsin I gene and is transcribed in the opposite direction. [provided by RefSeq

Other Designations	OTTHUMP00000023214|erythroid potentiating activity|fibroblast collagenase inhibitor|tissue inhibitor of metalloproteinase 1

Publication Reference

- Tissue MMP-2 and MMP-9 [corrected] are better prognostic factors than serum MMP-2/TIMP-2--complex or TIMP-1 [corrected] in stage [corrected] I-III lung carcinoma.

  Hoikkala S, Pääkkö P, Soini Y, Mäkitaro R, Kinnula V, Turpeenniemi-Hujanen T.

  Cancer Letters 2006 May; 236(1):125.

  Application: ELISA, IHC-P, Human, Human lung cancer

- Functional domains of human TIMP-1 (tissue inhibitor of metalloproteinases).

  Bodden MK, Harber GJ, Birkedal-Hansen B, Windsor LJ, Caterina NC, Engler JA, Birkedal-Hansen H.

  The Journal of Biological Chemistry 1994 Jul; 269(29):18943.

Disease

- Alzheimer disease
- Aortic Aneurysm
- Arthritis
- Asthma
- Cardiovascular Diseases
- Chorioamnionitis
- Colitis
- Constriction
- Coronary Disease
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies

- Disease Progression
- Duodenal Ulcer
- Edema
- Endometrial Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Graft Occlusion
- Helicobacter Infections
- Hepatitis C
- Inflammation
- Intracranial Aneurysm
- Liver Cirrhosis
- Lymphoma
- Metabolic Syndrome X
- Metaplasia
- Myocardial Infarction
- Myopia
- Neoplasms
- Obstetric Labor
- Osteoporosis
- Ovarian Neoplasms
- Pre-Eclampsia
- Premature Birth
- Pulmonary Disease
- Recurrence
- Scleroderma

- Spondylitis
- Stomach Neoplasms