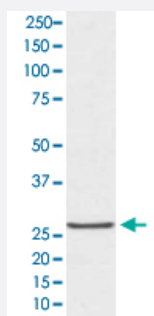


TIMP1 monoclonal antibody, clone AAOD-20

Catalog # MAB20786 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human prostate cancer tissue lysate with TIMP1 monoclonal antibody, clone AAOD-20 (Cat # MAB20786).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human TIMP1.

Immunogen A synthetic peptide corresponding to human TIMP1.

Host Rabbit

Theoretical MW (kDa) 23.171

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Western Blot (1:500-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human prostate cancer tissue lysate with TIMP1 monoclonal antibody, clone AAOD-20 (Cat # MAB20786).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

Gene Info — TIMP1

Entrez GeneID[7076](#)**Protein Accession#**[P01033](#)**Gene Name**

TIMP1

Gene Alias

CLGI, EPA, EPO, FLJ90373, HCI, TIMP

Gene Description

TIMP metalloproteinase 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 inhibitors 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 encoded 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 cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 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

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](#)
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- [Intracranial Aneurysm](#)

- [Liver Cirrhosis](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
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- [Recurrence](#)
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- [Stomach Neoplasms](#)