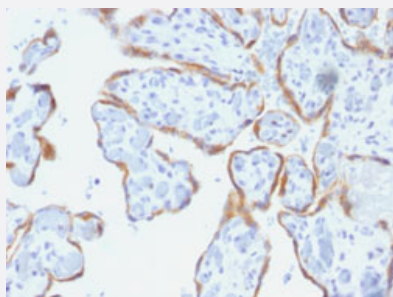


TIMP2 monoclonal antibody, clone SPM356

Catalog # MAB15011 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with TIMP2 monoclonal antibody, clone SPM356 (Cat # MAB15011).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human TIMP2.
Immunogen	A synthetic peptide corresponding to amino acids 56-66 at N-terminus of human TIMP2.
Sequence	DSGNDIYGNPI
Host	Mouse
Theoretical MW (kDa)	21
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with TIMP2 monoclonal antibody, clone SPM356 (Cat # MAB15011).
- Immunofluorescence
- Flow Cytometry

Gene Info — TIMP2

Entrez GeneID[7077](#)**Protein Accession#**[P16035](#)**Gene Name**

TIMP2

Gene Alias

CSC-21K

Gene Description

TIMP metalloproteinase inhibitor 2

Omim ID[188825](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

tissue inhibitor of metalloproteinase 2|tissue inhibitor of metalloproteinases 2

Publication Reference

- [The matrix metalloproteinase/tissue inhibitor of matrix metalloproteinase profile in colorectal polyp cancers.](#)

Natalie Jeffery, Mairi H McLean, Emad M El-Omar, Graeme I Murray.

Histopathology 2009 Jun; 54(7):820.

- [Matrix metalloproteinases and their inhibitors in gastric cancer.](#)

Murray GI, Duncan ME, Arbuckle E, Melvin WT, Fothergill JE.

Gut 1998 Dec; 43(6):791.

Disease

- [Alzheimer disease](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)

- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
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- [Graft Occlusion](#)
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- [Hypertrophy](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)
- [Metabolic Syndrome X](#)

- [Metaplasia](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Neoplasm](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)
- [Thrombosis](#)
- [Uterine Diseases](#)