

Basic Information

Product Name	Anti-TIMP2 Antibody (Clone#AADE-20)
Gene Name	TIMP2
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human TIMP2
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	22 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (FCM):1:20

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

TIMP metalloproteinase inhibitor 2, a tissue inhibitor of metalloproteinases, also known as TIMP2, is a human gene, thought to be a metastasis suppressor. 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.

Reference

Anti-TIMP2 Antibody (Clone#AADE-20)被引用在1文献中。

Selected Validation Data

Western blot analysis of TIMP2 expression in HeLa cell lysate.

