

Anti-TIMP-4 Antibody

Catalog # ABO10562

Product Information

Application	WB, E
Primary Accession	Q99727
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Metalloproteinase inhibitor 4(TIMP4) detection. Tested with WB, ELISA in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7079
Other Names	Metalloproteinase inhibitor 4, Tissue inhibitor of metalloproteinases 4, TIMP-4, TIMP4
Calculated MW	25503
Application Details	Western blot, 0.1-0.5 µg/ml, Human, - ELISA , 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted.
Tissue Specificity	Abundant in heart and present at low levels in many other tissues.
Source	Eukaryota
Protein Name	Metalloproteinase inhibitor 4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TIMP4(209-224aa RGHLPLRKEFVDIVQP).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	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

Sequence Similarities

freezing and thawing.
Belongs to the protease inhibitor I35 (TIMP) family.

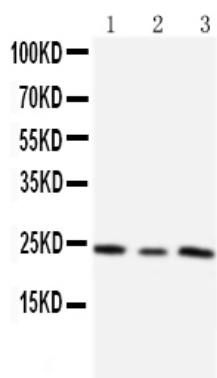
Protein Information

Name	TIMP4
Function	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7 and MMP-9.
Cellular Location	Secreted.
Tissue Location	Abundant in heart and present at low levels in many other tissues

Background

Metalloproteinase inhibitor 4 is an enzyme that in humans is encoded by the TIMP4 gene. And this gene is mapped to chromosome 3p25. This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling.

Images



Anti-TIMP4 antibody, ABO10562, Western blotting
Lane 1: HT1080 Cell Lysate
Lane 2: HELA Cell Lysate
Lane 3: SMMC Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.