

Anti-TIMP-4 Antibody

Catalog # ABO10561

Product Information

Application	WB, IHC-P
Primary Accession	Q99727
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Liquid
Description	Rabbit IgG polyclonal antibody for Metalloproteinase inhibitor 4(TIMP4) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Additional Information

Gene ID	7079
Other Names	Metalloproteinase inhibitor 4, Tissue inhibitor of metalloproteinases 4, TIMP-4, TIMP4
Calculated MW	25503
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
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 50% glycerol, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ . Carrier free (No BSA) form available in stock. If you want this antibody carrier free please specify Carrier Free" or "No BSA" in your order note. "
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TIMP4(208-224aa YRGHLPLRKEFVDIVQP), different from the related rat sequence by two amino acids, and from the related mouse sequence by three amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year, at 4 °C for one month. Avoid repeated freezing and thawing.
Sequence Similarities	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

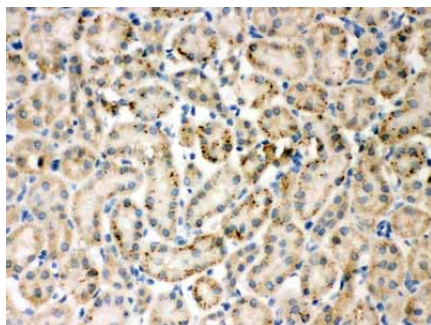
Background

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

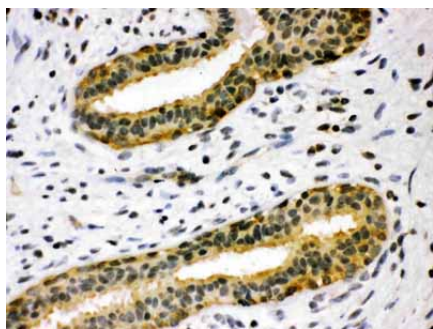


Anti-TIMP4 antibody, ABO10561, Western blotting
All lanes: Anti TIMP4 (ABO10561) at 0.5ug/ml
Lane 1: Rat Kidney Tissue Lysate at 50ug
Lane 2: MCF-7 Whole Cell Lysate at 40ug
Predicted bind size: 25KD
Observed bind size: 25KD



Anti-TIMP4 antibody, ABO10561, IHC(P) IHC(P): Rat Kidney Tissue

Anti-TIMP4 antibody, ABO10561, IHC(P) IHC(P): Human Mammary Cancer Tissue



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