Anti-TIMP1 antibody ab61224

Overview

Product name: Anti-TIMP1 antibody
Description: Rabbit polyclonal to TIMP1
Host species: Rabbit
Specificity: This antibody has been used successfully in mouse tissue in a publication, however our WB testing data shows non-reactivity to mouse and we can not guarantee reactivity with mouse.

Tested applications: Suitable for: ELISA, WB, Flow Cyt, IHC-Fr
Species reactivity: Reacts with: Rat, Human
Predicted to work with: Mouse

Immunogen: Synthetic peptide derived from the internal region of human TIMP1.
Positive control: 293 cell extract, or rat brain lysate.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab61224 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Function

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13 and MMP-16. Does not act on MMP-14.

Sequence similarities

Belongs to the protease inhibitor I35 (TIMP) family.
Contains 1 NTR domain.

Post-translational modifications

The activity of TIMP1 is dependent on the presence of disulfide bonds.

Cellular localization

Secreted.

Images

All lanes: Anti-TIMP1 antibody (ab61224) at 1/500 dilution
Lane 1: extracts from 293 cells
Lane 2: extracts from 293 cells with the immunizing peptide
Predicted band size: 23 kDa
Observed band size: 23 kDa

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