Product name: Anti-TIMP1 antibody

Description: Rabbit polyclonal to TIMP1

Host species: Rabbit

Tested applications: Suitable for: WB

Species reactivity: Reacts with: Human

Predicted to work with: Mouse

Immunogen: Synthetic peptide derived from the internal region of human TIMP1.

General notes: This antibody has been used successfully in mouse tissue in a publication, however our WB testing data shows non-reactivity to mouse and we cannot guarantee reactivity with mouse.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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
Preservative: 0.02% Sodium azide
Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride

Purity: Immunogen affinity purified

Clonality: Polyclonal

Isotype: IgG
The Abpromise guarantee

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.

<table>
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<th>Application</th>
<th>Abreviews</th>
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<tr>
<td>WB</td>
<td>1/500 - 1/1000. Detects a band of approximately 23 kDa (predicted molecular weight: 23 kDa).</td>
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Target

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 135 (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

Western blot - Anti-TIMP1 antibody (ab61224)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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