

Product datasheet

Anti-TIMP4 antibody ab58425

[10 References](#) [2 Images](#)

Overview

Product name	Anti-TIMP4 antibody
Description	Rabbit polyclonal to TIMP4
Host species	Rabbit
Specificity	ab58425 detects endogenous levels of total TIMP4 protein.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide derived from C terminal residues of human TIMP4
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Store at -20°C. Stable for 12 months at -20°C

Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
	Without Mg ⁺² and Ca ⁺²
Purity	Immunogen affinity purified
Purification notes	ab58425 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab58425** in the following tested applications.

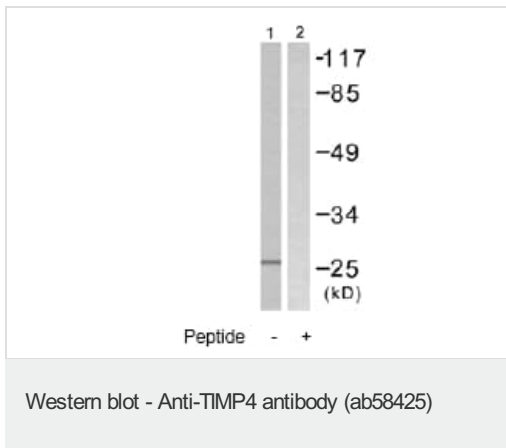
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		1/500 - 1/1000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).

Target

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.
Tissue specificity	Abundant in heart and present at low levels in many other tissues.
Sequence similarities	Belongs to the protease inhibitor I35 (TIMP) family. Contains 1 NTR domain.
Cellular localization	Secreted.

Images



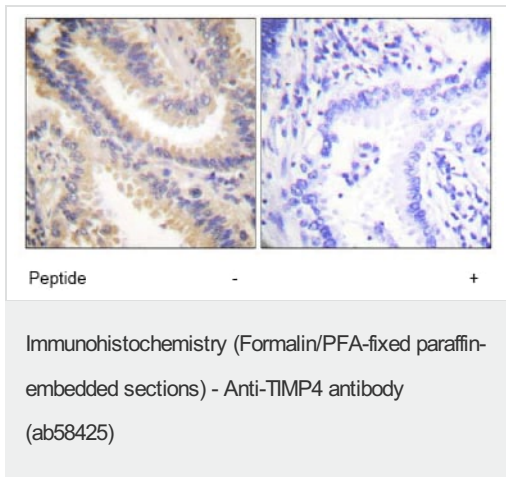
All lanes : Anti-TIMP4 antibody (ab58425) at 1/500 dilution

Lane 1 : NIH3T3 cell extract

Lane 2 : NIH3T3 cell extract with immunising peptide

Predicted band size: 26 kDa

Observed band size: 26 kDa



ab58425, at 1/50 dilution, staining TIMP4 in paraffin embedded human lung carcinoma tissue by Immunohistochemistry, in the absence (left image) or presence (right image) of the immunising peptide.

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

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