

Product datasheet

Anti-MMP3 antibody [MMP3/2655] ab268084

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

Overview

Product name	Anti-MMP3 antibody [MMP3/2655]
Description	Mouse monoclonal [MMP3/2655] to MMP3
Host species	Mouse
Tested applications	Suitable for: Protein Array, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human MMP3 aa 236-363. The exact sequence is proprietary. Database link: P08254
Positive control	WB: Human Raji, HEK-293, and HT-29 cell lysate
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A purified
Purification notes	Purified from Bioreactor concentrate
Clonality	Monoclonal
Clone number	MMP3/2655
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab268084 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
Protein Array		Use at an assay dependent concentration.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 53 kDa.

Target

Function

Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.

Sequence similarities

Belongs to the peptidase M10A family.
Contains 4 hemopexin-like domains.

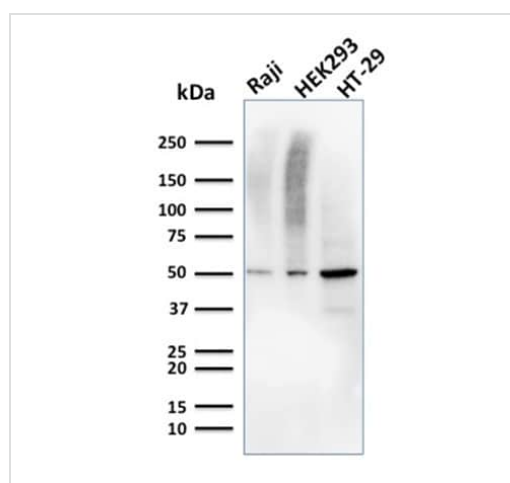
Domain

The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.

Cellular localization

Secreted > extracellular space > extracellular matrix.

Images



Western blot - Anti-MMP3 antibody [MMP3/2655] (ab268084)

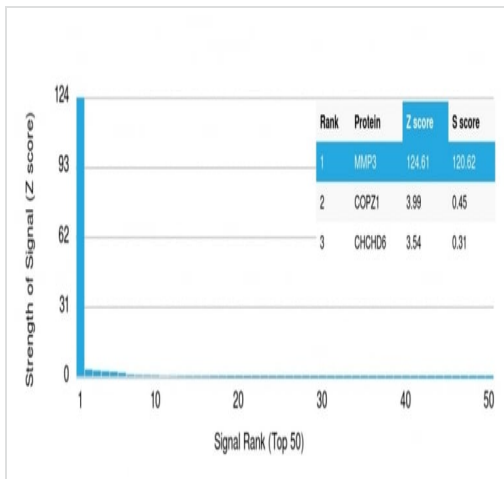
All lanes : Anti-MMP3 antibody [MMP3/2655] (ab268084) at 2 µg/ml

Lane 1 : Raji (Human Burkitt's lymphoma cell line) cell lysate

Lane 2 : HEK-293 (Human epithelial cell line from embryonic kidney) cell lysate

Lane 3 : HT-29 (Human colorectal adenocarcinoma cell line) cell lysate

Predicted band size: 53 kDa



Protein Array - Anti-MMP3 antibody [MMP3/2655]
(ab268084)

Protein Array containing more than 19,000 full-length human proteins using ab268084. Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.

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

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