

Product datasheet

APC Anti-MMP9 antibody [EP1254] ab305636

Recombinant RabMAb

1 Image

Overview

Product name	APC Anti-MMP9 antibody [EP1254]
Description	APC Rabbit monoclonal [EP1254] to MMP9
Host species	Rabbit
Conjugation	APC. Ex: 645nm, Em: 660nm
Tested applications	Suitable for: Antibody labelling, Target binding affinity
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>This conjugated primary antibody is released using a quantitative quality control method that evaluates binding affinity post-conjugation and efficiency of antibody labeling.</p> <p>For suitable applications and species reactivity, please refer to the unconjugated version of this clone. This conjugated antibody is eligible for Abtrial: learn more here.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EP1254
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab305636 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
Antibody labelling		Use at an assay dependent concentration.
Target binding affinity		Use at an assay dependent concentration.

Target

Function May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide.

Tissue specificity Produced by normal alveolar macrophages and granulocytes.

Involvement in disease Intervertebral disc disease
Metaphyseal anadysplasia 2

Sequence similarities Belongs to the peptidase M10A family.
Contains 3 fibronectin type-II domains.
Contains 4 hemopexin repeats.


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.

Post-translational modifications Processing of the precursor yields different active forms of 64, 67 and 82 kDa. Sequentially processing by MMP3 yields the 82 kDa matrix metalloproteinase-9.
N- and O-glycosylated.

Cellular localization Secreted, extracellular space, extracellular matrix.

Images

Why choose a recombinant conjugated antibody?



Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Guaranteed long-term performance
Quantitative quality control

APC Anti-MMP9 antibody [EP1254] (ab305636)

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

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