

Product datasheet

Anti-MMP25 antibody [MM0029-2B5] ab56309

1 Image

Overview

|                            |                                           |
|----------------------------|-------------------------------------------|
| <b>Product name</b>        | Anti-MMP25 antibody [MM0029-2B5]          |
| <b>Description</b>         | Mouse monoclonal [MM0029-2B5] to MMP25    |
| <b>Host species</b>        | Mouse                                     |
| <b>Specificity</b>         | ab56309 recognizes MMP25 in western blot. |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P, WB            |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human                 |
| <b>Immunogen</b>           | Purified Human recombinant MMP25          |

Properties

|                             |                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Form</b>                 | Lyophilised:Reconstitute with 0.5ml sterile PBS.                                                        |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| <b>Storage buffer</b>       | Constituent: PBS                                                                                        |
| <b>Purity</b>               | Protein G purified                                                                                      |
| <b>Clonality</b>            | Monoclonal                                                                                              |
| <b>Clone number</b>         | MM0029-2B5                                                                                              |
| <b>Isotype</b>              | IgG1                                                                                                    |

Applications

Our [Abpromise guarantee](#) covers the use of **ab56309** 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       |           | 1/50 - 1/500.                                                                |
| WB          |           | Use at an assay dependent concentration. Predicted molecular weight: 63 kDa. |

## Target

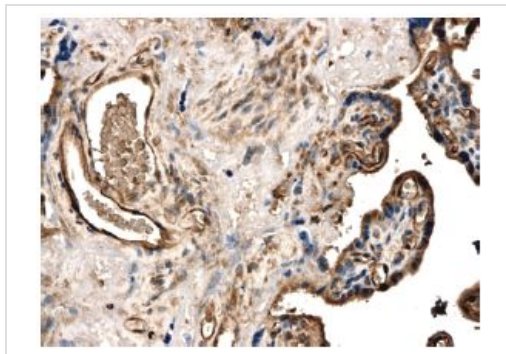
---

|                                         |                                                                                                                                                                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function</b>                         | May activate progelatinase A.                                                                                                                                                                                                      |
| <b>Tissue specificity</b>               | Expressed predominantly in leukocytes, lung and spleen. Expressed also in colon carcinoma, astrocytoma and glioblastomas.                                                                                                          |
| <b>Sequence similarities</b>            | Belongs to the peptidase M10A family.<br>Contains 4 hemopexin repeats.                                                                                                                                                             |
| <b>Domain</b>                           | 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. |
| <b>Post-translational modifications</b> | The precursor is cleaved by a furin endopeptidase.                                                                                                                                                                                 |
| <b>Cellular localization</b>            | Cell membrane. Secreted, extracellular space, extracellular matrix.                                                                                                                                                                |

---

## Images

---



ab56309 at 1/500 dilution, staining MMP25 in human placental tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MMP25 antibody  
[MM0029-2B5] (ab56309)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors