

MMP-17 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10393**Specification**

MMP-17 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	O9ULZ9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66653

MMP-17 Antibody - Additional Information**Gene ID** 4326

Application & Usage	Western blotting (1-4 µg/ml), immunoprecipitation, and Immunohistochemistry. However, the optimal concentrations should be determined individually. The antibody recognizes the 62 kDa MMP-17 of human, mouse, and rat origins. Reactivity to other species has not been tested.
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Other Names

MMP17 , MMP-17 , MT4MMP , MT4-MMP , Matrix metalloproteinases, Matrix metalloproteinase-17; MMP-17; Membrane-type matrix metalloproteinase 4; MT-MMP 4; MTMMP4; Membrane-type-4 matrix metalloproteinase; MT4-MMP; MT4MMP

Target/Specificity

MMP17

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

MMP-17 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MMP-17 Antibody - Protein Information

Name MMP17

Synonyms MT4MMP

Function

Endopeptidase that degrades various components of the extracellular matrix, such as fibrin. May be involved in the activation of membrane-bound precursors of growth factors or inflammatory mediators, such as tumor necrosis factor-alpha. May also be involved in tumoral process. Cleaves pro-TNF-alpha at the '74-Ala-|-Gln-75' site. Not obvious if able to proteolytically activate progelatinase A. Does not hydrolyze collagen types I, II, III, IV and V, gelatin, fibronectin, laminin, decorin nor alpha1-antitrypsin.

Cellular Location

[Isoform Long]: Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side. Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed in brain, leukocytes, colon, ovary testis and breast cancer. Expressed also in many transformed and non- transformed cell types

MMP-17 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MMP-17 Antibody - Images

MMP-17 Antibody - Background

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. MMP-17 (also designated MT-MMP4 or MT4-MMP) is a glycosylphosphatidylinositol (GPI)-anchored proteinase and is mainly expressed in the brain, leukocytes, colon, ovary and testis.