

MMP14 Rabbit mAb
Catalog # AP78598**Specification**

MMP14 Rabbit mAb - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P, FC, IP, ICC |
| Primary Accession | P50281 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 65894 |

MMP14 Rabbit mAb - Additional Information

Gene ID 4323

Other Names

MMP14

Format

Liquid

MMP14 Rabbit mAb - Protein Information

Name MMP14

Function

Endopeptidase that degrades various components of the extracellular matrix such as collagen (PubMed: [8015608](http://www.uniprot.org/citations/8015608)). Essential for pericellular collagenolysis and modeling of skeletal and extraskeletal connective tissues during development (By similarity). Activates progelatinase A/MMP2, thereby acting as a positive regulator of cell growth and migration (PubMed: [22065321](http://www.uniprot.org/citations/22065321), PubMed: [8015608](http://www.uniprot.org/citations/8015608)). Involved in the formation of the fibrovascular tissues in association with pro-MMP2 (PubMed: [12714657](http://www.uniprot.org/citations/12714657), PubMed: [22065321](http://www.uniprot.org/citations/22065321)). May be involved in actin cytoskeleton reorganization by cleaving PTK7 (PubMed: [20837484](http://www.uniprot.org/citations/20837484)). Acts as a regulator of Notch signaling by mediating cleavage and inhibition of DLL1 (PubMed: [21572390](http://www.uniprot.org/citations/21572390)). Cleaves ADGRB1 to release vasculostatin-40 which inhibits angiogenesis (PubMed: [22330140](http://www.uniprot.org/citations/22330140)). Acts as a negative regulator of the GDF15-GFRAL aversive response by mediating cleavage and inactivation of GFRAL (PubMed: [35177851](http://www.uniprot.org/citations/35177851)).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Melanosome. Cytoplasm Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Forms a complex with BST2 and localizes to the cytoplasm (PubMed:17081065)

Tissue Location

Expressed in stromal cells of colon, breast, and head and neck. Expressed in lung tumors.

MMP14 Rabbit mAb - 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](#)

MMP14 Rabbit mAb - Images