

**MMP14 Rabbit mAb**  
Catalog # AP74828**Specification****MMP14 Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P50281</a>
Reactivity	Human, Hamster
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	65894

**MMP14 Rabbit mAb - Additional Information**

Gene ID 4323

**Other Names**

MMP14

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**MMP14 Rabbit mAb - Protein Information**

Name MMP14

**Function**

Endopeptidase that degrades various components of the extracellular matrix such as collagen (PubMed:<a href="http://www.uniprot.org/citations/8015608" target="\_blank">8015608</a>). 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:<a href="http://www.uniprot.org/citations/22065321" target="\_blank">22065321</a>, PubMed:<a href="http://www.uniprot.org/citations/8015608" target="\_blank">8015608</a>). Involved in the formation of the fibrovascular tissues in association with pro-MMP2 (PubMed:<a href="http://www.uniprot.org/citations/12714657" target="\_blank">12714657</a>, PubMed:<a href="http://www.uniprot.org/citations/22065321" target="\_blank">22065321</a>). May be involved in actin cytoskeleton reorganization by cleaving PTK7 (PubMed:<a href="http://www.uniprot.org/citations/20837484" target="\_blank">20837484</a>). Acts as a regulator of Notch signaling by mediating cleavage and inhibition of DLL1 (PubMed:<a href="http://www.uniprot.org/citations/21572390" target="\_blank">21572390</a>). Cleaves ADGRB1 to release vasculostatin-40 which inhibits angiogenesis (PubMed:<a href="http://www.uniprot.org/citations/22330140" target="\_blank">22330140</a>). Acts as a negative regulator of the GDF15-GFRAL aversive response by mediating cleavage and inactivation

of GFRAL (PubMed:<a href="http://www.uniprot.org/citations/35177851" target="\_blank">35177851</a>).

#### 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



