

**MMP12 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3117a

**Specification**

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**MMP12 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P39900</a>
Other Accession	<a href="#">NP_002417.2</a> , <a href="#">4321</a>
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	54002

**MMP12 Antibody (internal region) - Additional Information**

**Gene ID** 4321

**Other Names**

Macrophage metalloelastase, MME, 3.4.24.65, Macrophage elastase, ME, hME, Matrix metalloproteinase-12, MMP-12, MMP12, HME

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MMP12 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**MMP12 Antibody (internal region) - Protein Information**

**Name** MMP12

**Synonyms** HME

**Function**

May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

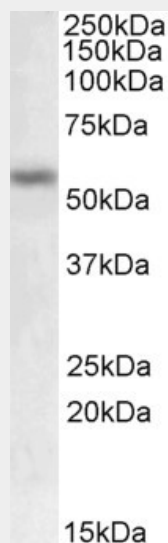
**Tissue Location**

Found in alveolar macrophages but not in peripheral blood monocytes

**MMP12 Antibody (internal region) - 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](#)

**MMP12 Antibody (internal region) - Images**

AF3117a (0.5 µg/ml) staining of Human Breast Cancer lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**MMP12 Antibody (internal region) - References**

Association of MMP1, MMP3, MMP9, and MMP12 polymorphisms with risk and clinical course of multiple sclerosis in a Polish population. Mirowska-Guzel D, Gromadzka G, Czlonkowski A, Czlonkowska A, Journal of neuroimmunology 2009 Sep 214 (1-2): 113-7. PMID: 19628284