

**ARG65176**  
anti-MMP12 antibodyPackage: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes MMP12
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP12
Species	Human
Immunogen	C-RPKTSVNLISS
Conjugation	Un-conjugated
Alternate Names	ME; EC 3.4.24.65; Macrophage metalloelastase; MMP-12; hME; MME; HME; Matrix metalloproteinase-12; Macrophage elastase

### Application Instructions

Application table	Application	Dilution
	WB	0.3 - 1 µg/ml

**Application Note** WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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### Database links

[GeneID: 4321 Human](#)

[Swiss-port # P39900 Human](#)

### Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]

### Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Signaling Transduction antibody

### Calculated Mw

54 kDa

## Images

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ARG65176 anti-MMP12 antibody WB image

Western Blot: Human Breast Cancer lysate (35 µg protein in RIPA buffer) stained with ARG65176 anti-MMP12 antibody at 0.5 µg/ml dilution.