

**ARG63823**  
anti-MMP7 antibodyPackage: 100 µg, 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes MMP7
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP7
Species	Human
Immunogen	C-QKLYGKRSNSRKK
Conjugation	Un-conjugated
Alternate Names	MMP-7; Uterine metalloproteinase; Matrix metalloproteinase-7; EC 3.4.24.23; Matrilysin; Matrin; Pump-1 protease; PUMP-1; MPPL1

### Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 6 µg/ml
	WB	0.03 - 0.1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). 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

### Database links

[GeneID: 4316 Human](#)

[Swiss-port # P09237 Human](#)

### Background

MMP7 is a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers. [provided by RefSeq, Jan 2016]

### Function

MMP7 degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. [UniProt]

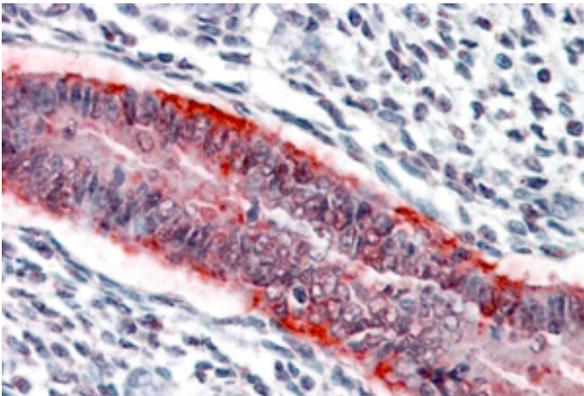
### Research Area

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

### Calculated Mw

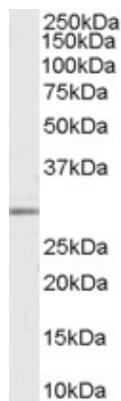
30 kDa

## Images



ARG63823 anti-MMP7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63823 anti-MMP7 antibody at 3.8 µg/ml dilution, followed by AP-staining.



ARG63823 anti-MMP7 antibody WB image

Western blot: 35 µg of Human breast lysate (in RIPA buffer) stained with ARG63823 anti-MMP7 antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.