

## ARG40471 anti-MMP19 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MMP19
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP19
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 344-373 of Human MMP19.
Conjugation	Un-conjugated
Alternate Names	CODA; MMP18; EC 3.4.24.-; Matrix metalloproteinase-18; Matrix metalloproteinase-19; MMP-18; RASI-1; MMP-19; Matrix metalloproteinase RASI

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	
Observed Size	57 kDa	

### Properties

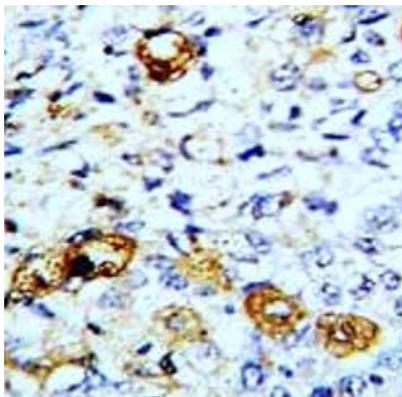
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost 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

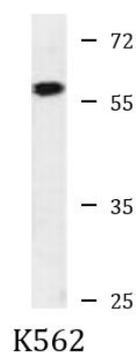
Gene Symbol	MMP19
Gene Full Name	matrix metalloproteinase 19
Background	This gene encodes a member of a family of proteins that are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded protein is secreted as an inactive proprotein, which is activated upon cleavage by extracellular proteases. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Jan 2013]
Function	Endopeptidase that degrades various components of the extracellular matrix, such as aggrecan and cartilage oligomeric matrix protein (comp), during development, haemostasis and pathological conditions (arthritic disease). May also play a role in neovascularization or angiogenesis. Hydrolyzes collagen type IV, laminin, nidogen, nascin-C isoform, fibronectin, and type I gelatin. [UniProt]
Calculated Mw	57 kDa
PTM	Activated by autolytic cleavage after Lys-97.  Tyrosine phosphorylated by PKDCC/VLK. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

## Images



ARG40471 anti-MMP19 antibody IHC-P image

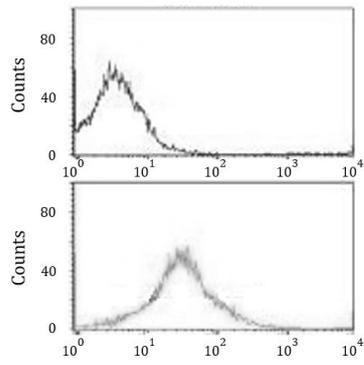
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast carcinoma stained with ARG40471 anti-MMP19 antibody.



ARG40471 anti-MMP19 antibody WB image

Western blot: 35 µg of K562 cell lysate stained with ARG40471 anti-MMP19 antibody.

### ARG40471 anti-MMP19 antibody FACS image



Flow Cytometry: K562 cells stained with ARG40471 anti-MMP19 antibody (bottom histogram) or without primary antibody as control (top histogram), followed by incubation with FITC labelled secondary antibody.