

ARG44179 anti-MMP19 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MMP19
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP19
Species	Human
Immunogen	Recombinant protein of Human MMP19
Conjugation	Un-conjugated
Alternate Names	MMP19; Matrix Metallopeptidase 19; RASI-1; MMP18; Matrix Metalloproteinase RASI; Matrix Metalloproteinase-19; Matrix Metalloproteinase-18; Matrix Metalloproteinase-Beta19; Matrix Metalloproteinase 19; EC 3.4.24.- ; MMP-19; MMP-18; CODA; RASI

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg / 10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	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.

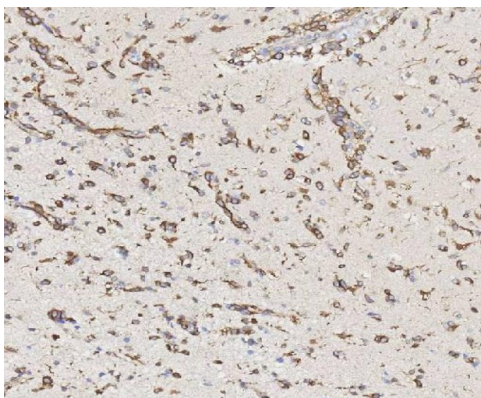
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

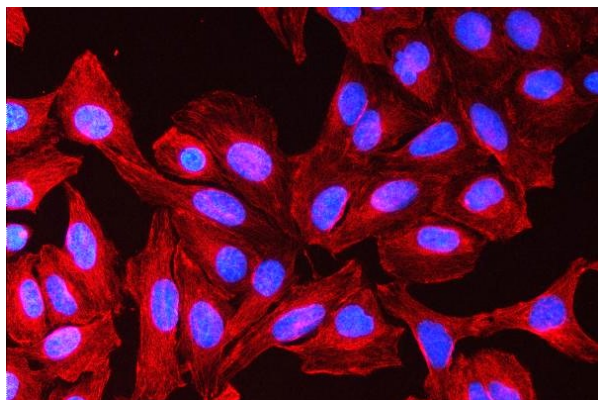
Gene Symbol	MMP19
Gene Full Name	Matrix Metalloproteinase 19
Background	This gene encodes a member of a family of proteins that are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease 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.
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.
Calculated Mw	57 kDa
PTM	Disulfide bond, Glycoprotein, Phosphoprotein, Zymogen
Cellular Localization	Extracellular matrix, Secreted

Images



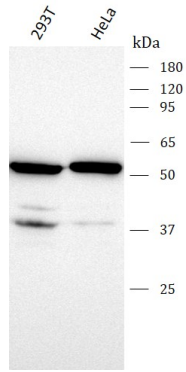
ARG44179 anti-MMP19 antibody IHC-P image

Immunohistochemistry: Human glioma stained with ARG44179 anti-MMP19 antibody at 2 µg/mL dilution.



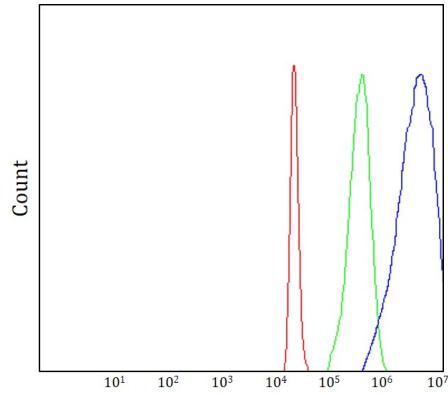
ARG44179 anti-MMP19 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44179 anti-MMP19 antibody at 5 µg/mL dilution.



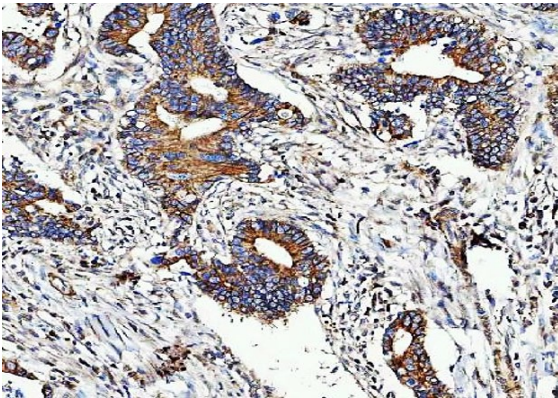
ARG44179 anti-MMP19 antibody WB image

Western blot: 293T and HeLa stained with ARG44179 anti-MMP19 antibody at 0.25 $\mu\text{g}/\text{mL}$ dilution.



ARG44179 anti-MMP19 antibody FACS image

Flow Cytometry: 293T stained with ARG44179 anti-MMP19 antibody at 1 $\mu\text{g}/1 \times 10^6$ cells dilution.



ARG44179 anti-MMP19 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44179 anti-MMP19 antibody at 2 $\mu\text{g}/\text{mL}$ dilution.