

ARG55345 anti-MMP7 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MMP7
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP7
Species	Human
Immunogen	Recombinant protein of Human MMP7 (NP_002414.1)
Conjugation	Un-conjugated
Alternate Names	MMP-7; Uterine metalloproteinase; Matrix metalloproteinase-7; EC 3.4.24.23; Matrilysin; Matrin; Pump-1 protease; PUMP-1; MPLS1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT29	
Observed Size	~ 30 kDa	

Properties

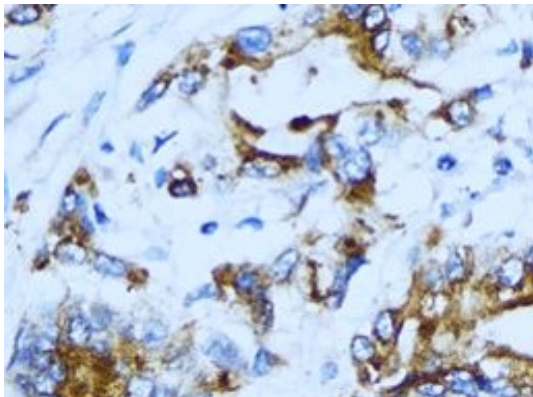
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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

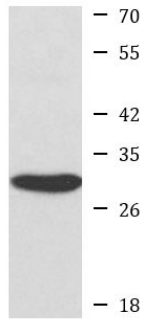
Database links	GeneID: 25335 Rat GeneID: 4316 Human Swiss-port # P09237 Human Swiss-port # P50280 Rat
Gene Symbol	MMP7
Gene Full Name	matrix metalloproteinase 7
Background	MMP7 is a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown 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



ARG55345 anti-MMP7 antibody IHC-P image

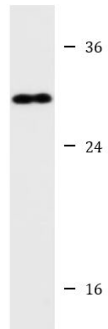
Immunohistochemistry: Paraffin-embedded Human colon carcinoma stained with ARG55345 anti-MMP7 antibody at 1:100 dilution.



HT29

ARG55345 anti-MMP7 antibody WB image

Western blot: HT29 cell lysate stained with ARG55345 anti-MMP7 antibody.



Rat uterus

ARG55345 anti-MMP7 antibody WB image

Western blot: 25 µg of Rat uterus lysate stained with ARG55345 anti-MMP7 antibody at 1:500 dilution.