ARG56405
anti-PITRM1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PITRM1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PITRM1
Species	Human
Immunogen	Recombinant protein of Human PITRM1
Conjugation	Un-conjugated
Alternate Names	Presequence protease, mitochondrial; hPreP; EC 3.4.24.-; Metalloprotease 1; MP1; hMP1; Pitrilysin metalloproteinase 1; PreP

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

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

Positive Control: U87

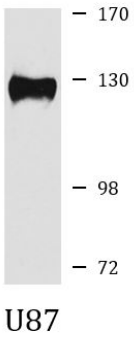
Properties

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: 10531 Human GeneID: 69617 Mouse Swiss-port # Q5JRX3 Human Swiss-port # Q8K411 Mouse
Gene Symbol	PITRM1
Gene Full Name	pitrilysin metallopeptidase 1
Function	ATP-independent protease that degrades mitochondrial transit peptides after their cleavage. Also degrades other unstructured peptides. Specific for peptides in the range of 10 to 65 residues. Able to degrade amyloid beta A4 (APP) protein when it accumulates in mitochondrion, suggesting a link with Alzheimer disease. Shows a preference for cleavage after small polar residues and before basic residues, but without any positional preference. [UniProt]
Calculated Mw	117 kDa
PTM	The disulfide bond may lock the enzyme in a closed conformation under oxidized conditions, suggesting that it may participate in redox regulation of the enzyme.

Images



ARG56405 anti-PITRM1 antibody WB image

Western blot: U87 cell lysate stained with ARG56405 anti-PITRM1 antibody.