PITRM1 Rabbit pAb

Catalog No	YP-Ab-19382
Isotype	IgG
Reactivity	Human,Mouse
Applications	WB
Gene Name	PITRM1 KIAA1104 MP1
Immunogen	Synthesized peptide derived from human PITRM1. AA range:675-775
Specificity	This antibody detects endogenous levels of PITRM1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PITRM1 KIAA1104 MP1;Presequence protease;mitochondrial (hPreP) (Pitrilysin metalloproteinase 1) (Metalloprotease 1) (hMP1)
Observed Band	
Calculated Molecular Weight	114kD
Cell Pathway	Mitochondrion . Mitochondrion matrix .
Tissue Specificity	Widely expressed. Expressed at higher level in muscle and heart compared to brain , pancreas , liver , lung and placenta.
Function	Metalloendopeptidase of the mitochondrial matrix that functions in peptide cleavage and degradation rather than in protein processing . Has an ATP-independent activity . Specifically cleaves peptides in the range of 5 to 65 residues . Shows a preference for cleavage after small polar residues and before basic residues , but without any positional preference . Degrades the transit peptides of mitochondrial proteins after their cleavage . Also degrades other unstructured peptides . It is also able to degrade amyloid-beta protein 40 , one of the peptides produced by APP processing , when it accumulates in mitochondrion . It is a highly efficient protease , at least toward amyloid-beta protein 40 . Cleaves that peptide at a specific position and is probably not processive , releasing digested peptides intermediates that can be further

	cleaved subsequently . It is also able to degrade amyloid-beta protein 42 .
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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