

# PITRM1 Antibody



PACO44360

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:1000-1:5000,  
IHC:1:20-1:200

**Protein Background:**

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.

**Gene ID:**

PITRM1

**Uniprot**

Q5JRX3

**Synonyms:**

Presequence protease, mitochondrial (hPreP) (EC 3.4.24. -) (Pitriylsin metalloproteinase 1) (Metalloprotease 1) (hMP1), PITRM1, KIAA1104 MP1

**Immunogen:**

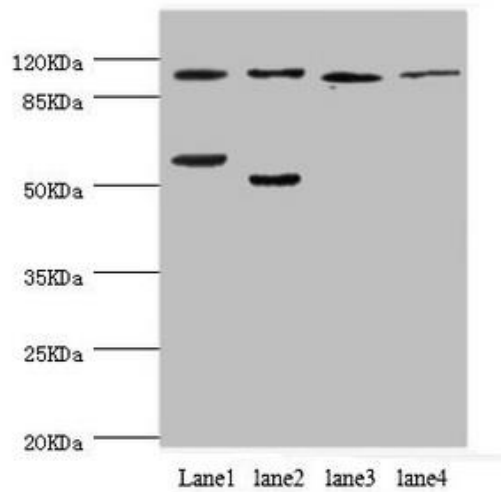
Recombinant Human Presequence protease, mitochondrial protein (758-1037AA).

**Storage:**

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

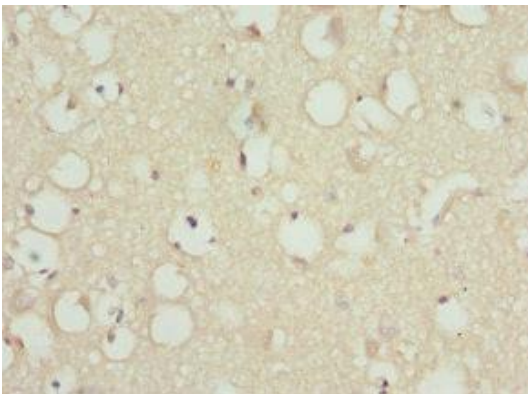
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Western blot. All lanes: PITRM1 antibody at 2.42 $\mu$ g/ml. Lane 1: Mouse placenta tissue. Lane 2: A549 whole cell lysate. Lane 3: Rat gonad tissue. Lane 4: Mouse kidney tissue. Secondary: Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 118, 107 kDa. Observed band size: 118, 50 kDa.



Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using PACO44360 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human brain tissue using PACO44360 at dilution of 1:100.