

## Rabbit PITRM1 Polyclonal Antibody | anti-PITRM1 antibody

PITRM1 Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA231163</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

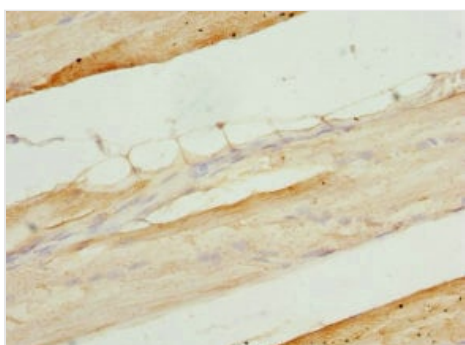
### PRODUCT SYNONYMS

PITRM1; Polyclonal Antibody; PITRM1 Antibody; Presequence protease; mitochondrial; hPreP; Pitrilysin metalloproteinase 1; Metalloprotease 1; hMP1; KIAA1104; MP1; anti-PITRM1 antibody

### PRODUCT SPECIFICATIONS

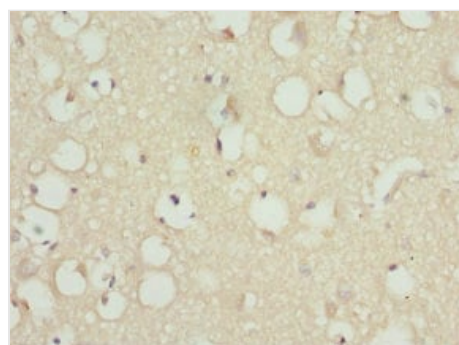
|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human, Mouse, Rat                                                                                              |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | Antigen Affinity Purified                                                                                      |
| Form/Format                                      | Liquid                                                                                                         |
| Sequence Length                                  | 1038                                                                                                           |
| Applicable Applications for anti-PITRM1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                           |
| Species                                          | Human                                                                                                          |
| Immunogen                                        | Recombinant human Presequence protease, mitochondrial protein (C-280AA)                                        |
| Conjugate                                        | Non-conjugated                                                                                                 |
| Buffer                                           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82316                                  |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



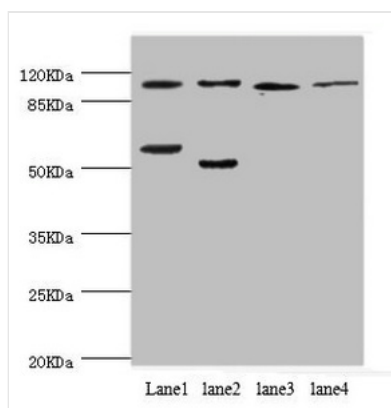
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA231163 at dilution 1:100



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA231163 at dilution 1:100



#### WB (Western Blot)

Western blotAll lanes: PITRM1 antibody at 2.42ug/mlLane 1:mouse placenta tissueLane 2:A549 whole cell lysateLane 3:rat gonad tissueLane 4:mouse kidney tissueSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 118,107 kDaObserved band size: 117 kDa,50 kDa

## ADDITIONAL INFORMATION

### Related Product Information for anti-PITRM1 antibody

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.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 334085248                                                                                      |
| NCBI GeneID                      | 10531                                                                                          |
| NCBI Accession #                 | NP_001229236.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001242307.1                                                                                 |
| UniProt Accession #              | Q5JRX3; O95204; Q2M2G6; Q4VBR1; Q5JRW7; Q7L5Z7; Q9BSI6; Q9BVJ5; B3KMJ6; B4E0J8; C9JSL2; E7ES23 |
| Molecular Weight                 | 106,065 Da                                                                                     |
| NCBI Official Full Name          | presequence protease, mitochondrial isoform 1                                                  |
| NCBI Official Synonym Full Names | pitrilysin metallopeptidase 1                                                                  |
| NCBI Official Symbol             | PITRM1                                                                                         |
| NCBI Official Synonym Symbols    | MP1; PreP                                                                                      |
| NCBI Protein Information         | presequence protease, mitochondrial                                                            |
| UniProt Protein Name             | Presequence protease, mitochondrial                                                            |
| UniProt Gene Name                | <b>PITRM1</b>                                                                                  |
| UniProt Synonym Gene Names       | KIAA1104; MP1; hPreP; Metalloprotease 1; hMP1                                                  |
| UniProt Entry Name               | PREP_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pitrm1-antibody-immunohistochemistry-western-blot-elisa/231163>