

Rabbit anti-Human OMA1 Polyclonal Antibody | anti-OMA1 antibody

OMA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229916	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

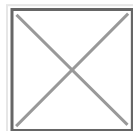
PRODUCT SYNONYMS

OMA1; Polyclonal Antibody; OMA1 Antibody; Metalloendopeptidase OMA1; mitochondrial; Metalloprotease-related protein 1; MPRP-1; Overlapping with the m-AAA protease 1 homolog; MPRP1; anti-OMA1 antibody

PRODUCT SPECIFICATIONS

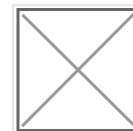
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	524
Applicable Applications for anti-OMA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Metalloendopeptidase OMA1, mitochondrial protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-168844 / sc-168843
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA229916 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

IHC image of AAA229916 diluted at 1:400 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA229916 diluted at 1:400 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: PC3 whole cell lysateAll lanes: OMA1 antibody at 2.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 61,56 KDaObserved band size: 61 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-OMA1 antibody

Metalloprotease that is part of the quality control system in the inner membrane of mitochondria. Following stress conditions that induce loss of mitochondrial membrane potential, mediates cleavage of OPA1 at S1 position, leading to OPA1 inactivation and negative regulation of mitochondrial fusion. May also cleave UQCC3 under these conditions. Its role in mitochondrial quality control is essential for regulating lipid metabolism as well as to maintain body temperature and energy expenditure under cold-stress conditions.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21686999
NCBI GeneID	115209
NCBI Accession #	NP_660286.1
NCBI GenBank Nucleotide #	NM_145243.4
UniProt Accession #	Q96E52; Q5T3G6; Q5T3G7; Q5T3G8; Q5T3G9; Q5T3H0; Q8NBB3; D3DQ54
Molecular Weight	55,744 Da
NCBI Official Full Name	metalloendopeptidase OMA1, mitochondrial
NCBI Official Synonym Full Names	OMA1 zinc metallopeptidase
NCBI Official Symbol	OMA1
NCBI Official Synonym Symbols	DAB1; MPRP-1; YKR087C; ZMPOMA1; peptidase; 2010001O09Rik
NCBI Protein Information	metalloendopeptidase OMA1, mitochondrial
UniProt Protein Name	Metalloendopeptidase OMA1, mitochondrial
UniProt Gene Name	OMA1
UniProt Synonym Gene Names	MPRP1; MPRP-1
UniProt Entry Name	OMA1_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/oma1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229916>