

Rabbit YME1L1 Polyclonal Antibody | anti-YME1L1 antibody

YME1L1 Antibody

CATALOG # AAA322851	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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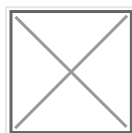
PRODUCT SYNONYMS

YME1L1; Polyclonal Antibody; YME1L1 Antibody; ATP dependent metalloprotease FtsH1 homolog; ATP-dependent metalloprotease FtsH1; ATP-dependent zinc metalloprotease YME1L1; FTSH1; Meg-4; MEG4; PAMP; Presenilin-associated metalloprotease; UNQ1868/PRO4304; YME1 like 1; YME1-like protein 1; YME1L; Yme1l1; YME1L_HUMAN; anti-YME1L1 antibody

PRODUCT SPECIFICATIONS

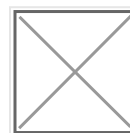
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	YME1L1 antibody detects endogenous levels of YME1L1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	683
Applicable Applications for anti-YME1L1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human YME1L1.
Subcellular Location	Mitochondrion Inner Membrane.
Tissue Specificity	High expression in cardiac and skeletal muscle mitochondria.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (86%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of mouse heart tissue, using YME1L1 antibody.



IHC (Immunohistochemistry)

AAA322851 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-YME1L1 antibody	Function: ATP-dependent metalloprotease that catalyzes the degradation of folded and unfolded proteins with a suitable degron sequence in the mitochondrial intermembrane region (PubMed:26923599, PubMed:27786171). Plays an important role in regulating mitochondrial morphology and function by cleaving OPA1 at position S2, giving rise to a form of OPA1 that promotes maintenance of normal mitochondrial structure and mitochondrial protein metabolism (PubMed:18076378, PubMed:26923599, PubMed:27495975). Ensures cell proliferation, maintains normal cristae morphology and complex I respiration activity, promotes antiapoptotic activity and protects mitochondria from the accumulation of oxidatively damaged membrane proteins (PubMed:22262461). Required for normal, constitutive degradation of PRELID1 (PubMed:27495975). Catalyzes the degradation of OMA1 in response to membrane depolarization (PubMed:26923599). Required to control the accumulation of nonassembled respiratory chain subunits (NDUFB6, OX4 and ND1) (PubMed:22262461). Subunit Structure: Homohexamer; may also form heterohexamers (PubMed:27786171). Exists in several complexes of 600-1100 kDa (PubMed:22262461, PubMed:27495975). Interacts with AFG1L (PubMed:26759378). Post-translational Modifications: Proteolytically processed by mitochondrial processing peptidase (MPP) to generate the mature form. Similarity: In the N-terminal section; belongs to the AAA ATPase family. In the C-terminal section; belongs to the peptidase M41 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	359718987
NCBI GeneID	10730
NCBI Accession #	NP_001240795.1
NCBI GenBank Nucleotide #	NM_001253866.1
UniProt Accession #	Q96TA2; Q5T8D9; Q9H1Q0; Q9UMR9; B4DNM1; D3DRV8; D3DRV9
Molecular Weight	Observed: 86 kDa Predicted: 87 kDa
NCBI Official Full Name	ATP-dependent zinc metalloprotease YME1L1 isoform 4
NCBI Official Synonym Full Names	YME1 like 1 ATPase
NCBI Official Symbol	YME1L1
NCBI Official Synonym Symbols	FTSH; MEG4; PAMP; OPA11; YME1L
NCBI Protein Information	ATP-dependent zinc metalloprotease YME1L1
UniProt Protein Name	ATP-dependent zinc metalloprotease YME1L1
UniProt Gene Name	YME1L1
UniProt Synonym Gene Names	FTSH1; YME1L; PAMP

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/yme1l1-antibody-immunohistochemistry-western-blot-elisa/322851>