

Rabbit AFG3L2 Polyclonal Antibody | anti-AFG3L2 antibody

AFG3L2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323010	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

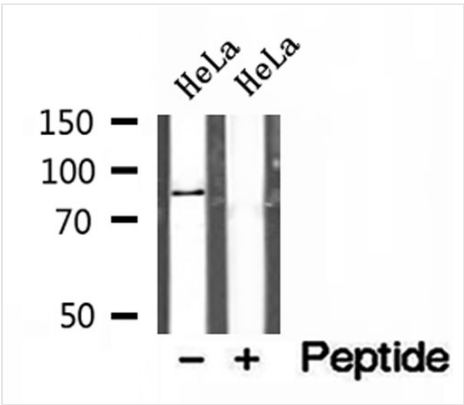
PRODUCT SYNONYMS

AFG3L2; Polyclonal Antibody; AFG3L2 Antibody; AFG3 (ATPase family gene 3; yeast) like 2; AFG3 ATPase family gene 3 like 2 (yeast); AFG3 ATPase family gene 3 like 2; AFG3 like protein 2; AFG3-like protein 2; AFG32_HUMAN; ATPase family gene 3 like 2; ATPase family gene 3 yeast; EC 3.4.24.-; FLJ25993; Paraplegin like protein; Paraplegin-like protein; SCA28; Spinocerebellar ataxia 28; anti-AFG3L2 antibody

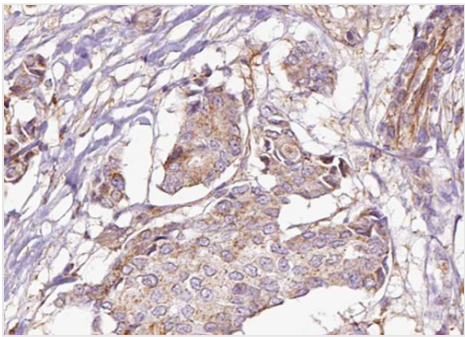
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AFG3L2 antibody detects endogenous levels of AFG3L2.
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	797
Applicable Applications for anti-AFG3L2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AFG3L2.
Subcellular Location	Mitochondrion Membrane.
Tissue Specificity	Ubiquitous. Highly expressed in the cerebellar Purkinje cells.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Dog (100%), Chicken (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 HeLa cells, using AFG3L2 antibody.



IHC (Immunohistochemistry)
AAA323010 at 1/100 staining Human breast cancer 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-AFG3L2 antibody	Function: ATP-dependent protease which is essential for axonal and neuron development. In neurons, mediates degradation of SMDT1/EMRE before its assembly with the uniporter complex, limiting the availability of SMDT1/EMRE for MCU assembly and promoting efficient assembly of gatekeeper subunits with MCU (PubMed:27642048). Required for the maturation of paraplegin (SPG7) after its cleavage by mitochondrial-processing peptidase (MPP), converting it into a proteolytically active mature form (By similarity). Subunit Structure: Homooligomer. Forms heterooligomers with SPG7 and AFG3L1 (PubMed:17101804). Interacts with SPG7; the interaction is required for the efficient assembly of mitochondrial complex I (PubMed:14623864, PubMed:26387735). Interacts with AFG3L1 (By similarity). Interacts with MAIP1 (PubMed:27499296, PubMed:27642048). Post-translational Modifications: Upon import into the mitochondrion, the N-terminal transit peptide is cleaved to generate an intermediate form which undergoes autocatalytic proteolytic processing to generate the proteolytically active 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 #	300192933
NCBI GeneID	10939
NCBI Accession #	NP_006787.2
NCBI GenBank Nucleotide #	NM_006796.2
UniProt Accession #	Q9Y4W6; Q6P1L0
Molecular Weight	Observed: 80-90 kDa Predicted: 89 kDa
NCBI Official Full Name	AFG3-like protein 2
NCBI Official Synonym Full Names	AFG3 like matrix AAA peptidase subunit 2
NCBI Official Symbol	AFG3L2
NCBI Official Synonym Symbols	SCA28; SPAX5
NCBI Protein Information	AFG3-like protein 2
UniProt Protein Name	AFG3-like protein 2
UniProt Gene Name	AFG3L2

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/afg3l2-antibody-immunohistochemistry-western-blot-elisa/323010>