

Rabbit A1Up Polyclonal Antibody | anti-A1Up antibody

A1Up Antibody

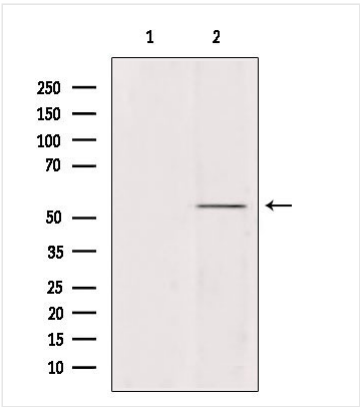
CATALOG # AAA322471	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

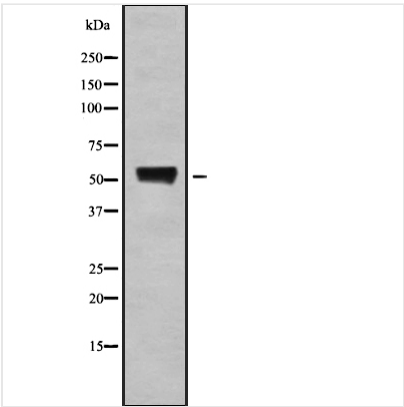
A1Up; Polyclonal Antibody; A1Up Antibody; 28S ribosomal protein S7; A1U; A1663987; Ataxin 1 interacting ubiquitin like protein; Ataxin 1 ubiquitin like interacting protein A1U; Ataxin 1 ubiquitin like interacting protein; Ataxin-1 ubiquitin-like-interacting protein A1U; bMRP 27a; bMRP27a; C1orf6; CIP75; Connexin43 interacting protein of 75 kDa; MRP S7; RGD1308273; S7mt; UBIN; Ubiquilin 4; Ubiquilin-4; UBQL4_HUMAN; UBQLN4; anti-A1Up antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	A1Up antibody detects endogenous levels of total A1Up
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	581
Applicable Applications for anti-A1Up antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human A1Up
Subcellular Location	Nucleus. Cytoplasm. Endoplasmic Reticulum. May associate with the endoplasmic reticulum.
Tissue Specificity	Highly expressed in pancreas, kidney, skeletal muscle, heart and throughout the brain, and at lower levels in placenta, lung and liver.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using A1Up Antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)
Western blot analysis of A1Up using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-A1Up antibody	Function: Plays a role in the regulation of protein degradation via the ubiquitin-proteasome system (UPS). Mediates the proteasomal targeting of misfolded or accumulated proteins for degradation by binding (via UBA domain) to their polyubiquitin chains and by interacting (via ubiquitin-like domain) with the subunits of the proteasome (PubMed:15280365). Plays a role in the regulation of the proteasomal degradation of non-ubiquitinated GJA1 (By similarity). Acts as an adapter protein that recruits UBQLN1 to the autophagy machinery. Mediates the association of UBQLN1 with autophagosomes and the autophagy-related protein LC3 (MAP1LC3A/B/C) and may assist in the maturation of autophagosomes to autolysosomes by mediating autophagosome-lysosome fusion (PubMed:23459205). Subunit Structure: Homooligomer (PubMed:15280365). Binds signal sequences of proteins that are targeted to the endoplasmic reticulum. Interacts (via UBA domain) with GJA1 (not ubiquitinated) and with ubiquitin; both compete for the same binding site. Interacts (via UBA domain) with ubiquitin and with polyubiquitin chains. Interacts with PSMD2 (By similarity). Interacts (via ubiquitin-like domain) with PSMD4, a regulatory subunit of the 26S proteasome. Interacts with ATXN1/SCA1. Interaction with ATXN1 inhibits polyubiquitination of UBQLN4 and interferes with PSMD4 binding. Interacts with HERPUD1. Interacts (via ubiquitin-like domain) with UBQLN1 (via UBA domain). Interacts (via ST11 1 and 2 domains) with MAP1LC3A/B/C. Interacts with UBQLN2. Post-translational Modifications: Ubiquitinated; this does not lead to proteasomal degradation. May undergo both 'Lys-48'-and 'Lys-63'-linked polyubiquitination.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	747811802
NCBI GeneID	56893
NCBI Accession #	NP_001291271.1
NCBI GenBank Nucleotide #	NM_001304342.1
UniProt Accession #	Q9NRR5; Q5VYA0; Q5VYA1; Q9BR98; Q9UHX4; A6ND44; B2RAY7
Molecular Weight	Observed: 54 kDa Predicted: 64 kDa
NCBI Official Full Name	ubiquilin-4 isoform 2
NCBI Official Synonym Full Names	ubiquilin 4
NCBI Official Symbol	UBQLN4
NCBI Official Synonym Symbols	A1U; A1Up; UBIN; CIP75; C1orf6
NCBI Protein Information	ubiquilin-4

UniProt Protein Name	Ubiquilin-4
UniProt Gene Name	UBQLN4
UniProt Synonym Gene Names	C1orf6; CIP75; UBIN; A1Up; CIP75

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://www.aaabiotech.com/polyclonal/a1up-antibody-western-blot-elisa/322471>