

Anti-A1Up antibody



Description	Rabbit polyclonal to A1Up.
Model	STJ91401
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human A1Up
Immunogen Region	180-260 aa, Internal
Gene ID	56893
Gene Symbol	UBQLN4
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	A1Up Polyclonal Antibody detects endogenous levels of A1Up protein.
Tissue Specificity	Highly expressed in pancreas, kidney, skeletal muscle, heart and throughout the brain, and at lower levels in placenta, lung and liver.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ubiquilin-4 Ataxin-1 interacting ubiquitin-like protein A1Up Ataxin-1 ubiquitin-like-interacting protein A1U Connexin43-interacting protein of 75 kDa CIP75
Molecular Weight	54 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12370MIM:605440
Alternative Names	Ubiquilin-4 Ataxin-1 interacting ubiquitin-like protein A1Up Ataxin-1 ubiquitin-like-interacting protein A1U Connexin43-interacting protein of 75 kDa CIP75
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 (Ref. 6). Plays a role in the regulation of the proteasomal degradation of non-ubiquitinated GJA1 . 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 .
Cellular Localization	Nucleus Cytoplasm Endoplasmic reticulum Cytoplasm, perinuclear region Cytoplasmic vesicle, autophagosome. Colocalizes with the proteasome, both in nucleus and cytoplasm.
Post-translational Modifications	Ubiquitinated; this does not lead to proteasomal degradation. May undergo both 'Lys-48'- and 'Lys-63'-linked polyubiquitination.