

# Rabbit anti-Human UBQLN4/CIP75/Ubiquilin 4 Polyclonal Antibody | anti-UBQLN4/CIP75 antibody

Rabbit anti-UBQLN4/CIP75/Ubiquilin 4 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                      |
|-----------|--------|------------|-----------------------------------|
| AAA213167 | Rabbit | Human      | Immunoprecipitation, Western Blot |

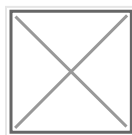
## PRODUCT SYNONYMS

UBQLN4/CIP75/Ubiquilin 4; Polyclonal Antibody; Rabbit anti-UBQLN4/CIP75/Ubiquilin 4 Antibody; Affinity Purified; ataxin-1 ubiquitin-like-interacting protein A1U; ubiquilin-4; UBIN; connexin43-interacting protein of 75 kDa; C1orf6; ataxin-1 ubiquitin-like interacting protein; ataxin-1 interacting ubiquitin-like protein; A1Up; A1U; CIP75; Ubiquilin-4; ubiquilin 4; anti-UBQLN4/CIP75 antibody

## PRODUCT SPECIFICATIONS

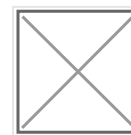
|                                                        |                                                                                           |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                    |
| Reactivity                                             | Human                                                                                     |
| Clonality                                              | Polyclonal                                                                                |
| Purity/Purification                                    | Antigen Affinity Purified                                                                 |
| Form/Format                                            | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                          | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-UBQLN4/CIP75 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Immunogen                                              | Between 1 and 50                                                                          |
| Conjugation                                            | Unconjugated                                                                              |
| Preparation and Storage                                | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

## IMAGES



### WB (Western Blot)

Detection of human UBQLN4 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-UBQLN4 antibody AAA213167 (lot AAA213167-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



### IP (Immunoprecipitation)

Detection of human UBQLN4 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-UBQLN4 antibody AAA213167 (lot AAA213167-1) used for IP at 6 ug per reaction. UBQLN4 was also immunoprecipitated by rabbit anti-UBQLN4 antibody BL20642. For blotting immunoprecipitated UBQLN4, AAA213167 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-UBQLN4/CIP75 antibody | Ubiquilin-4 (UBQLN4) plays a role in the regulation of protein degradation via the ubiquitin-proteasome system (UPS). It 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. UBQLN4 Plays a role in the regulation of the proteasomal degradation of non-ubiquitinated GJA1 (By similarity). It acts as an adapter protein that recruits UBQLN1 to the autophagy machinery and 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) [taken from NCBI Entrez Gene (Gene ID: 56893)]. |
| Product Categories/Family for anti-UBQLN4/CIP75 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 40538799                                                                                                                                                                                         |
| NCBI GeneID                      | 56893                                                                                                                                                                                            |
| NCBI Accession #                 | NP_064516.2                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_020131.3                                                                                                                                                                                      |
| UniProt Accession #              | Q9NRR5; Q5VYA0; Q5VYA1; Q9BR98; Q9UHX4; A6ND44; B2RAY7                                                                                                                                           |
| Molecular Weight                 | 63,853 Da                                                                                                                                                                                        |
| NCBI Official Full Name          | ubiquilin-4                                                                                                                                                                                      |
| 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; connexin43-interacting protein of 75 kDa; ataxin-1 interacting ubiquitin-like protein; ataxin-1 ubiquitin-like interacting protein; ataxin-1 ubiquitin-like-interacting protein A1U |
| UniProt Protein Name             | Ubiquilin-4                                                                                                                                                                                      |
| UniProt Gene Name                | UBQLN4                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | C1orf6; CIP75; UBIN; A1Up; CIP75                                                                                                                                                                 |
| UniProt Entry Name               | UBQL4_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/ubqln4-cip75-ubiquilin-4-antibody-immunoprecipitation-western-blot-elisa/213167>