

Datasheet for 600-401-AL0**CIP75 Antibody****Overview**

Description:	Anti-CIP75 (RABBIT) Antibody - 600-401-AL0
Item No.:	600-401-AL0
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The ubiquitin-proteasome pathway of protein degradation is one of the mechanisms that ensure the proper level of cellular proteins. The ubiquitin-like (UbL) and ubiquitin-associated (UBA) domain containing protein family is thought to be involved in proteasomal degradation. One such protein is CIP75, also known as ubiquilin-4, interacts with a number of proteins such as Ataxin-1 and Connexin-43, resulting in an increased rate of turnover of these proteins. Overexpression CIP75 led to a significant reduction of Connexin-43 half-life, with the opposite being observed in siRNA knockdown experiments. CIP75 contains an N-terminal UbL domain which is thought to interact with proteins of the 26S proteasome complex and a C-terminal UBA domain which appears to mediate its interaction with Connexin-75. At least three isoforms of CIP75 are known to exist.
Synonyms:	CIP75 Antibody, A1U, A1Up, UBIN, CIP75, C1orf6, Ubiquilin-4, Ataxin-1 interacting ubiquitin-like protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	UBQLN4
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CIP75 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human CIP75.
Purity/Specificity:	Anti-CIP75 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CIP75 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9NRR5 • GeneID - 56893 • NCBI - NP_001291271.1

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-CIP75 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 64 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

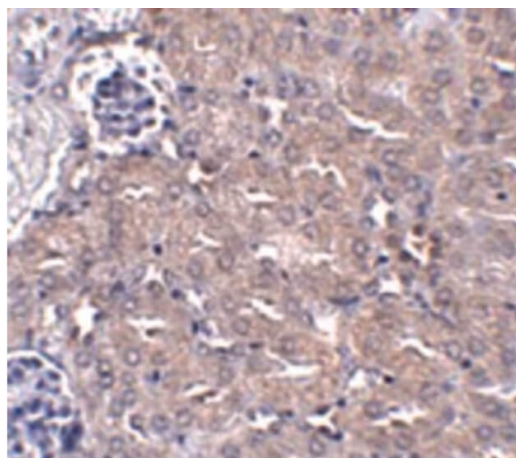
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

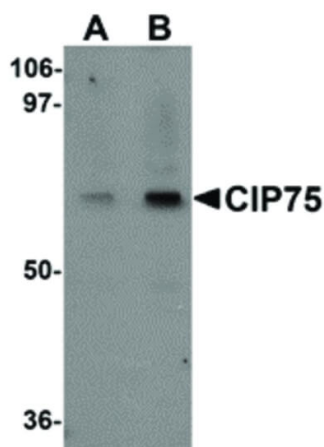
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of CIP75 antibody. Tissue: mouse kidney tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CIP75 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CIP75 is nuclear and cytoplasmic. Staining: CIP75 as precipitated pink signal with purple nuclear counterstain.



Western Blot

Western Blot of CIP75 antibody. Lane 1: 3T3 cell lysate with CIP75 antibody at 1 µg/mL. Lane 2: 3T3 cell lysate with CIP75 antibody at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 64 kDa, 64 kDa for CIP75. Other band(s): CIP75 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.