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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-proteosome 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 proteosomal 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 proteosome 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

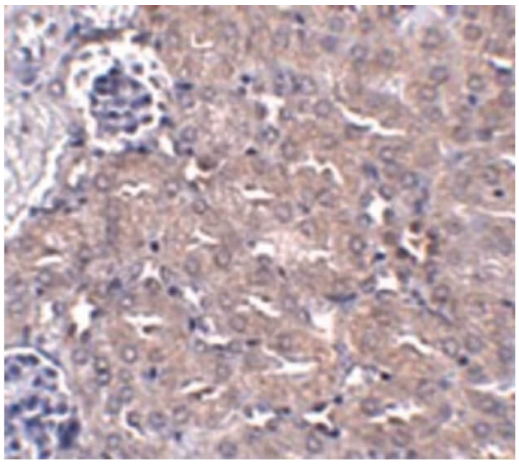
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

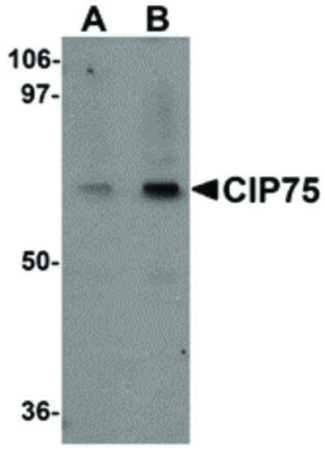
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

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