

Datasheet for 600-401-AR0**CUEDC1 Antibody****Overview**

Description:	Anti-CUEDC1 (RABBIT) Antibody - 600-401-AR0
Item No.:	600-401-AR0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The CUE (coupling of ubiquitin conjugation to endoplasmic reticulum degradation) domain is an evolutionarily conserved, ~40 amino acid monoubiquitin-binding domain that mediates intramolecular monoubiquitylation. CUE domains are present in eukaryotic proteins that are involved in ubiquitination and protein trafficking pathways and may be required for ubiquitination of the proteins in which they are found. CUEDC1 (CUE domain-containing protein 1) is a 386 amino acid protein that contains one CUE domain, suggesting a possible role in protein trafficking and degradation pathways. Two isoforms of CUEDC1 exist due to alternative splicing events. Defects in the gene encoding CUEDC1 may be associated with early stage cervical cancer, implicating CUEDC1 as a potential tumor marker.
Synonyms:	CUEDC1 Antibody, CUE domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CUEDC1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CUEDC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human CUEDC1.

Purity/Specificity: Anti-CUEDC1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CUEDC1 antibody will not cross-react with CUEDC2.

Relevant Links:

- [UniProtKB - Q9NWM3](#)
- [GeneID - 404093](#)
- [NCBI - AAH56882](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-CUEDC1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 42 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: 1:5000 - 1:10000

IF: 20 µg/mL

IHC: 2 µg/mL

WB: 0.5-1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1mg/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

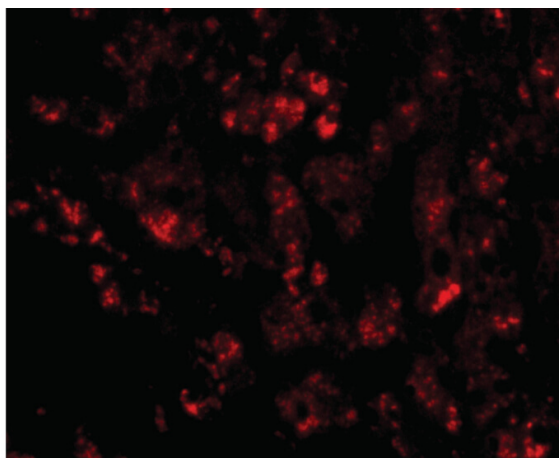
Shipping & Handling

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.

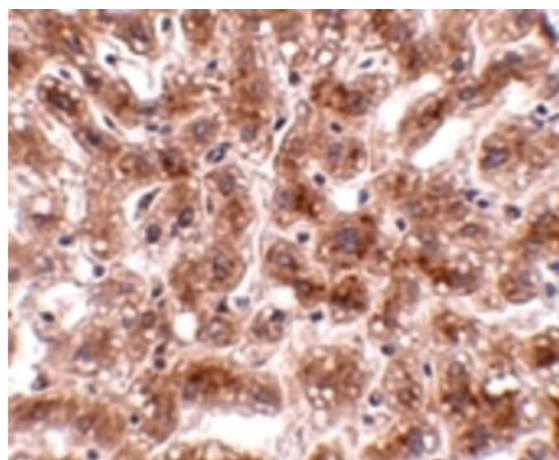
Expiration:

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

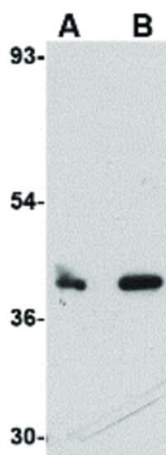
Images**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of CUEDC1 antibody.

Tissue: Human liver tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: CUEDC1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: CUEDC1 as a red fluorescent signal.

**Immunohistochemistry**

Immunohistochemistry of CUEDC1 antibody. Tissue: Human liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CUEDC1 antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CUEDC1 is nuclear and occasionally cytoplasmic. Staining: CUEDC1 as a precipitated red signal with hematoxylin purple nuclear counterstain.

**Western Blot**

Western Blot of CUEDC1 antibody. Lane A: Rat liver tissue lysate at 0.5 µg/mL. Lane B: Rat liver tissue lysate at 1 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: 42.2 kDa, ~42 kDa for CUEDC1.

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.