

## Datasheet for 600-401-AR1 CUEDC2 Antibody

### Overview

<b>Description:</b>	Anti-CUEDC2 (RABBIT) Antibody - 600-401-AR1
<b>Item No.:</b>	600-401-AR1
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IHC, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	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. CUEDC2 (CUE domain-containing protein 2) was found through a yeast two-hybrid screening as a protein that interacts with the progesterone receptor (PR) and promotes progesterone-induced PR degradation by the ubiquitin-proteasome pathway. CUEDC2 also decreases the sumoylation of PR. CUEDC2 has also been found to interact with IKK-alpha and IKK-beta and decrease the activation of NF-kB by decreasing the activation of IKK.
<b>Synonyms:</b>	CUEDC2 Antibody, C10orf66, bA18I14.5, C10orf66, HOYS6, CUE domain-containing protein 2
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Gene Name:</b>	CUEDC2
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen Type:</b>	Conjugated Peptide

**Immunogen:** Anti-CUEDC2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide from near the C-terminus of human CUEDC2.

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

**Relevant Links:**

- [UniProtKB - Q9H467](#)
- [GeneID - 79004](#)
- [NCBI - NP\\_076945](#)

## Application Details

**Tested Applications:** ELISA, IHC, WB

**Application Note:** Anti-CUEDC2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 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

**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

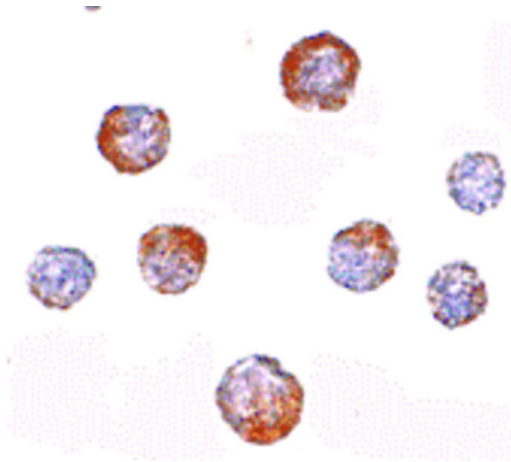
## Shipping & Handling

**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.

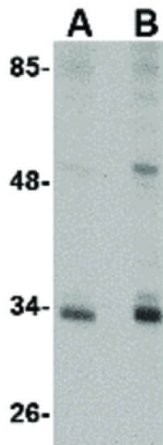
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Immunocytochemistry

Immunocytochemistry of CUEDC2 antibody. Tissue: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CUEDC2 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: CUEDC2 is nuclear and occasionally cytoplasmic. Staining: CUEDC2 as a precipitated brown signal with hematoxylin purple counterstain.



### Western Blot

Western Blot of CUEDC2 antibody. Lane A: HeLa cell lysate at 1 µg/mL. Lane B: HeLa cell lysate 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: 32 kDa, ~34 kDa for CUEDC2.

## 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.