

Datasheet for 600-401-CD2**KANK1 Antibody****Overview**

Description:	Anti-KANK1 (RABBIT) Antibody - 600-401-CD2
Item No.:	600-401-CD2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Ankyrins are membrane adaptor molecules that play important roles in the control of cytoskeleton formation by regulating actin polymerization. KANK1 (KN motif and ankyrin repeat domain-containing protein 1), also known as ANKRD15, is a 1,352 amino acid protein that contains at least 12 exons and 5 ANK repeats. It binds to beta-catenin and regulates its subcellular distribution. KANK1 is ubiquitously expressed and localizes to cytoplasm. It may function as a tumor suppressor for renal cell carcinoma. Mutations in this gene cause cerebral palsy spastic quadriplegic type 2, a central nervous system development disorder.
Synonyms:	KANK1 Antibody, KANK, CPSQ2, ANKRD15, KANK, KIAA0172, KN motif and ankyrin repeat domain-containing protein 1, Ankyrin repeat domain-containing protein 15
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KANK1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KANK1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human KANK1.

Purity/Specificity: Anti-KANK1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two alternatively spliced transcript variants encoding different isoforms have been identified. The lower molecular weight band seen in the immunoblot is thought to be non-specific.

Relevant Links:

- [UniProtKB - Q14678](#)
- [GeneID - 23189](#)
- [NCBI - NP_055973](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-KANK1 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 147 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

IF: User Optimized

IHC: User Optimized

WB: 1 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

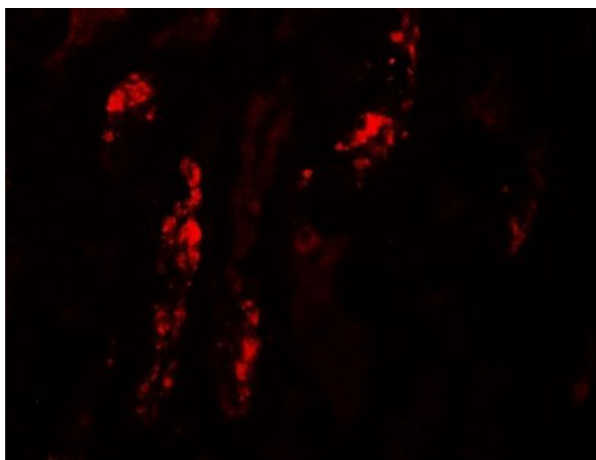
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration:

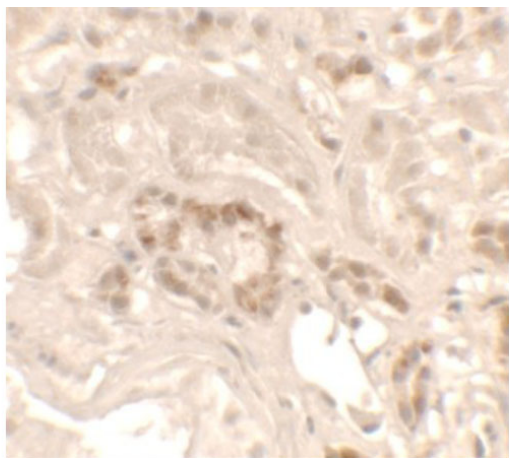
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of KANK1.

Tissue: human kidney tissue.

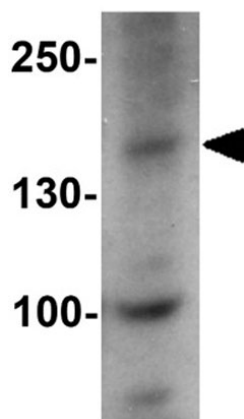
Primary Antibody: KANK1 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of KANK1.

Tissue: human kidney tissue.

Primary Antibody: KANK1 antibody at 2.5 µg/mL.

**Western Blot**

Western blot of KANK1.

Load: 3T3 cell lysate.

Primary Antibody: KANK1 antibody at 1 µg/mL.

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.