

Datasheet for 600-401-CD4**KANK3 Antibody****Overview**

Description:	Anti-KANK3 (RABBIT) Antibody - 600-401-CD4
Item No.:	600-401-CD4
Size:	100 µg
Applications:	ELISA, 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. Like other members of the KANK family, KANK3 (KN motif and ankyrin repeat domain-containing protein 3), is thought to play a role in the formation of actin stress fibers. In zebrafish, the homolog of KANK3 interacts with the adaptor protein Numb, a protein implicated in multiple basic cellular processes, and is essential for epidermal integrity and neurulation, suggesting that KANK3 may play a similar role in higher organisms.
Synonyms:	KANK3 Antibody, ANKRD47, ANKRD47, KN motif and ankyrin repeat domain-containing protein 3, Ankyrin repeat domain-containing protein 47
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KANK3
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KANK3 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of human KANK3.

Purity/Specificity: Anti-KANK3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two alternatively spliced transcript variants encoding different isoforms have been identified.

Relevant Links:

- [UniProtKB - Q6NY19](#)
- [GeneID - 256949](#)
- [NCBI - NP_940873](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-KANK3 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 88 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

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

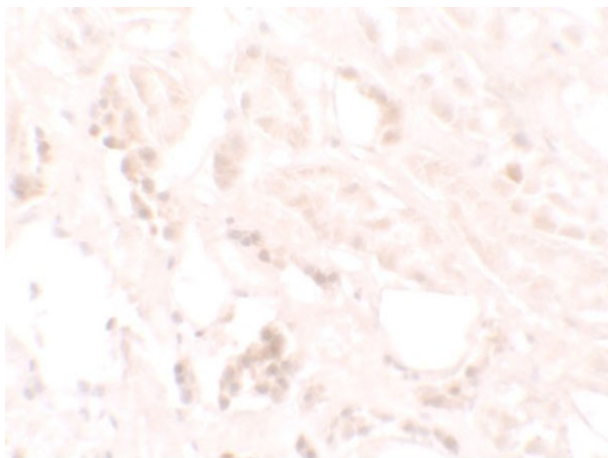
Shipping & Handling

Shipping Condition: 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

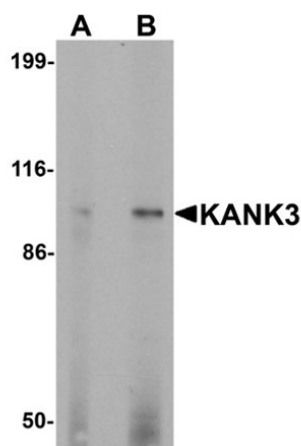


Immunohistochemistry

Immunohistochemistry of KANK3.

Tissue: human kidney tissue.

Primary Antibody: KANK3 antibody at 2.5 µg/mL.



Western Blot

Western blot of KANK3.

Load: A431 cell lysate.

Primary Antibody: KANK3 antibody at (A) 1 and (B) 2 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.