

**Datasheet for 600-401-CD3****KANK2 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-KANK2 (RABBIT) Antibody - 600-401-CD3 |
| <b>Item No.:</b>     | 600-401-CD3                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, IF, IHC, WB                         |
| <b>Reactivity:</b>   | Human, Mouse, Rat                          |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Ankyrins are membrane adaptor molecules that play important roles in the control of cytoskeleton formation by regulating actin polymerization. KANK2 (KN motif and ankyrin repeat domain-containing protein 2), was initially identified as a steroid receptor coactivator (SRC) interacting protein (SIP) that could sequester steroid receptor coactivators in the cytoplasm. More recent experiments have shown that while KANK2 is widely expressed, in kidney podocytes, KANK2 localizes to foot processes, suggesting that KANK2 may contribute to controlling actin dynamics in podocyte foot processes. |
| <b>Synonyms:</b>     | KANK2 Antibody, SIP, MXRA3, ANKRD25, KIAA1518, SIP, KN motif and ankyrin repeat domain-containing protein 2, Ankyrin repeat domain-containing protein 25                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                        |                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | KANK2                                                                                                                                                        |
| <b>Reactivity:</b>     | Human, Mouse, Rat                                                                                                                                            |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                           |
| <b>Immunogen:</b>      | Anti-KANK2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the C-terminus of human KANK2. |

**Purity/Specificity:** Anti-KANK2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two alternatively spliced transcript variants encoding different isoforms have been identified.

**Relevant Links:**

- [UniProtKB - Q63ZY3](#)
- [GeneID - 25959](#)
- [NCBI - NP\\_056308](#)

## Application Details

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

**Application Note:** Anti-KANK2 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 91 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

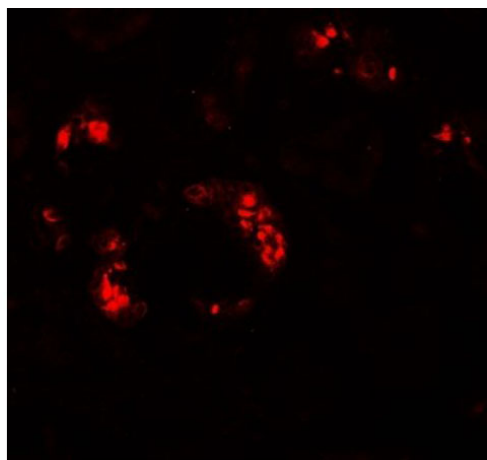
## Shipping & Handling

**Shipping Condition:** 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:**

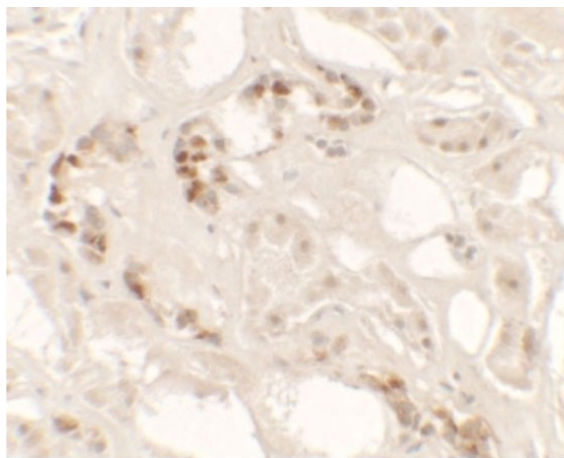
Expiration date is one (1) year from date of receipt.

**Images****Immunofluorescence Microscopy**

Immunofluorescence of KANK2.

Tissue: human kidney tissue.

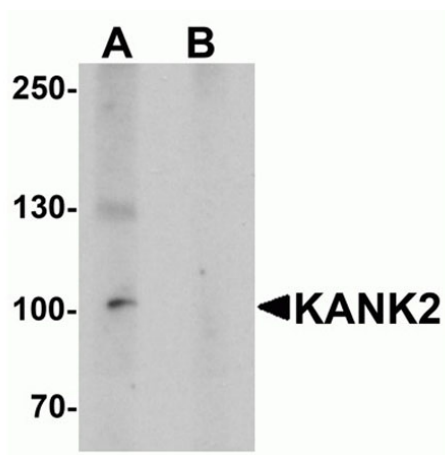
Primary Antibody: KANK2 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of KANK2.

Tissue: human kidney tissue.

Primary Antibody: KANK2 antibody at 2.5 µg/mL.

**Western Blot**

Western blot of KANK2.

Load: mouse brain tissue lysate.

Primary Antibody: KANK2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

**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.