

Datasheet for 600-401-CE7**KIRREL3 Antibody****Overview**

Description:	Anti-KIRREL3 (RABBIT) Antibody - 600-401-CE7
Item No.:	600-401-CE7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	KIRREL3, also known as nephrin-like protein 2, is a type I transmembrane protein belonging to a family of three podocin interacting proteins and the immunoglobulin superfamily (1). KIRREL3 is involved in the regulation of both glomerular and neural development (2), and more specifically, the nucleogenesis of the pontine nuclei in the developing hindbrain (3). KIRREL3 has also been shown to interact with the synaptic scaffold protein calmodulin-associated serine/threonine kinase (CASK) in neuronal cells (4).
Synonyms:	Kin of irregular chiasm-like protein 3, Kin of IRRE-like protein 3, MRD4, KIRRE, NEPH2, PRO4502, Nephrin-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KIRREL3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KIRREL3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human KIRREL3.

Purity/Specificity: Anti-KIRREL3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. KIRREL3 antibody is human, mouse and rat reactive. At least two isoforms are known to exist; this antibody will detect both isoforms. KIRREL3 antibody is predicted to not cross-react with other members of the KIRREL protein family.

Relevant Links:

- [UniProtKB - Q8IZU9](#)
- [GeneID - 84623](#)
- [NCBI - NP_115920](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-KIRREL3 Antibody has been tested for use in ELISA, Immunohistochemistry, Immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 85 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

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 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

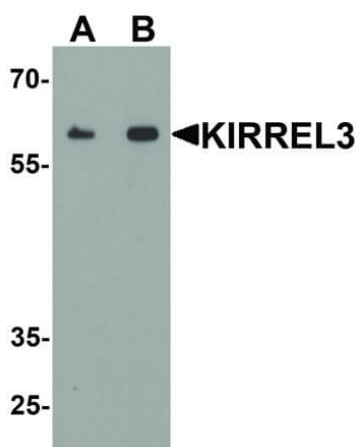
Shipping & Handling

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



Western Blot

Western Blot of Rabbit anti-KIRREL3 antibody. Lane A: mouse kidney tissue lysate at 1 $\mu\text{g/mL}$. Lane B: mouse kidney tissue lysate at 2 $\mu\text{g/mL}$. Primary antibody: KIRREL3 antibody overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 94 kDa, 100 kDa for KIRREL3.

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.