

Datasheet for 600-401-DS9**PRICKLE2 Antibody****Overview**

Description:	Anti-PRICKLE2 (RABBIT) Antibody - 600-401-DS9
Item No.:	600-401-DS9
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	PRICKLE2, also known as Pk2 or EPM5, is a member of a highly conserved protein family that function in the noncanonical WNT signaling pathway which regulates intracellular calcium release and planar cell polarity. Both PRICKLE2 and the related protein PRICKLE1 are expressed in postmitotic neurons and promote neurite outgrowth, and both proteins promote neurite outgrowth via the Disheveled dependent pathway in C1300 cells. PRICKLE2 localizes to the postsynaptic density and interacts with PSD-95 and NMDA receptors. Defects in the gene encoding PRICKLE2 are associated with autosomal recessive progressive myoclonic epilepsy.
Synonyms:	PRICKLE2 Antibody, EPM5, Prickle-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRICKLE2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PRICKLE2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human PRICKLE2.

Purity/Specificity: Anti-PRICKLE2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two isoforms of PRICKLE2 are known to exist. PRICKLE2 antibody is predicted to not cross-react with other PRICKLE protein family members.

Relevant Links:

- [UniProtKB - Q7Z3G6](#)
- [GeneID - 166336](#)
- [NCBI - NP_942559](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-PRICKLE2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 96 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: 20 µg/mL

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

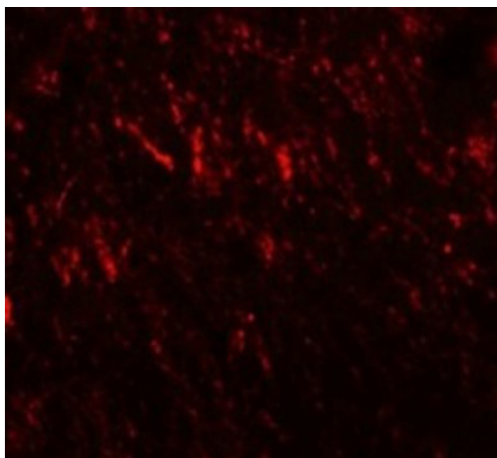
Shipping & Handling

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

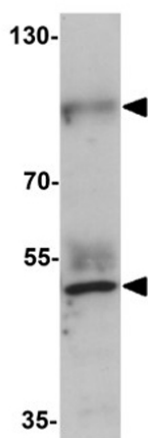


Immunofluorescence Microscopy

Immunofluorescence of PRICKLE2.

Tissue: rat brain cells.

Primary Antibody: PRICKLE2 antibody at 20 µg/mL.



Western Blot

Western blot analysis of PRICKLE2.

Load: A-20 lysate.

Primary Antibody: PRICKLE2 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.