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Datasheet for ABIN6991607

**anti-PRICKLE2 antibody (AA 420-470)**

## Overview

Quantity:	0.1 mg
Target:	PRICKLE2
Binding Specificity:	AA 420-470
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRICKLE2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	PRICKLE2 antibody was raised against a 15 amino acid synthetic peptide near the center of human PRICKLE2. The immunogen is located within amino acids 420 - 470 of PRICKLE2.
Isotype:	IgG
Specificity:	Two isoforms of PRICKLE2 are known to exist. PRICKLE2 antibody is predicted to not cross-react with other PRICKLE protein family members.
Purification:	PRICKLE2 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	PRICKLE2
Alternative Name:	PRICKLE2 ( <a href="#">PRICKLE2 Products</a> )

## Target Details

**Background:** PRICKLE2 Antibody: 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 Dishevelled 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.

**Gene ID:** 166336

**NCBI Accession:** [NP\\_942559](#)

**UniProt:** [Q7Z3G6](#)

## Application Details

**Application Notes:** PRICKLE2 antibody can be used for detection of PRICKLE2 by Western blot at 1 µg/mL. Antibody can also be used for immunofluorescence starting at 20 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** PRICKLE2 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C, 4 °C

**Storage Comment:** PRICKLE2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies

should not be exposed to prolonged high temperatures.