

Rabbit PRICKLE2 Polyclonal Antibody | anti-PRICKLE2 antibody

PRICKLE2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40155	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

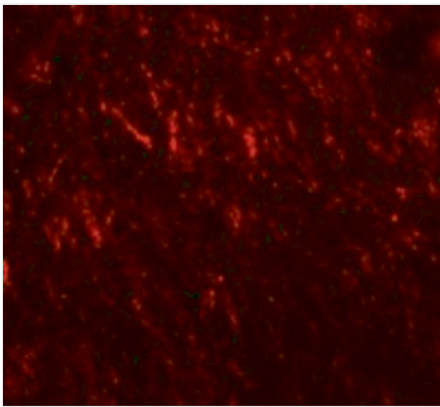
PRODUCT SYNONYMS

PRICKLE2; Polyclonal Antibody; PRICKLE2 Antibody; EPM5; Prickle-like protein 2; prickle homolog 2; anti-PRICKLE2 antibody

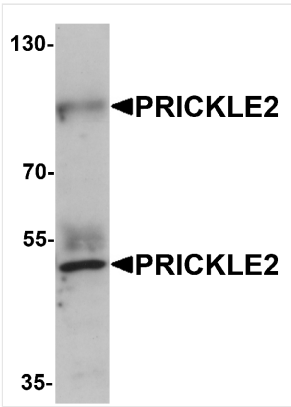
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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.
Purity/Purification	PRICKLE2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	844
Applicable Applications for anti-PRICKLE2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PRICKLE2 antibody was raised against a 15 amino acid synthetic peptide near the center of human PRICKLE2.
Buffer	PRICKLE2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PRICKLE2 antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of PRICKLE2 in rat brain cells with PRICKLE2 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of PRICKLE2 in A-20 lysate with PRICKLE2 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PRICKLE2 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38524620
NCBI GeneID	166336
NCBI Accession #	NP_942559
NCBI GenBank Nucleotide #	NM_198859.3
UniProt Accession #	Q7Z3G6; Q0VF44
Molecular Weight	95,615 Da
NCBI Official Full Name	prickle-like protein 2
NCBI Official Synonym Full Names	prickle homolog 2 (Drosophila)
NCBI Official Symbol	PRICKLE2
NCBI Official Synonym Symbols	EPM5
NCBI Protein Information	prickle-like protein 2
UniProt Protein Name	Prickle-like protein 2
UniProt Gene Name	PRICKLE2
UniProt Entry Name	PRIC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.