

PRICKLE2 Polyclonal Antibody | anti-PRICKLE2 antibody

Anti-PRICKLE2 Antibody (Internal) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162151	PRICKLE2 antibody was produced in rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

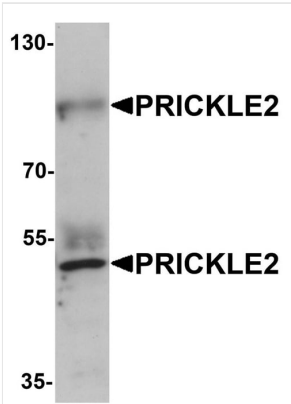
PRICKLE2; Polyclonal Antibody; Anti-PRICKLE2 Antibody (Internal) IHC-plus; Rabbit Polyclonal to Human PRICKLE2; Human PRICKLE2; EPM5; Prickle homolog 2 (Drosophila); Prickle-like protein 2; Prickle-like 2 (Drosophila); anti-PRICKLE2 antibody

PRODUCT SPECIFICATIONS

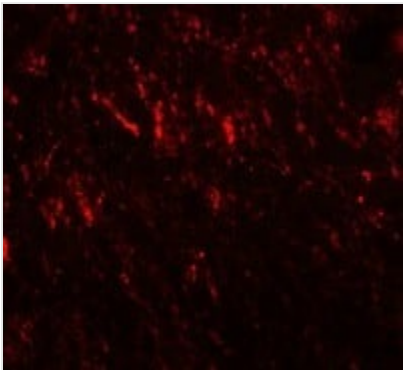
Host	PRICKLE2 antibody was produced in rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Two isoforms of PRICKLE2 are known to exist. PRICKLE2 antibody is predicted to no cross-react with other PRICKLE protein family members.
Purity/Purification	Peptide column affinity chromatography
Form/Format	PBS containing 0.02% sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PRICKLE2 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target	PRICKLE2
Immunogen Species	PRICKLE2 antibody was raised against Human
Antigen Type	Synthetic peptide
Immunogen	PRICKLE2 antibody was raised against a 15 AA synthetic peptide near the center of human PRICKLE2. The immunogen is located within aa 420-470 of PRICKLE2.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4°C for up to 3 months. Store at -20°C for up to 1 year. Avoid freeze/thaw cycles.

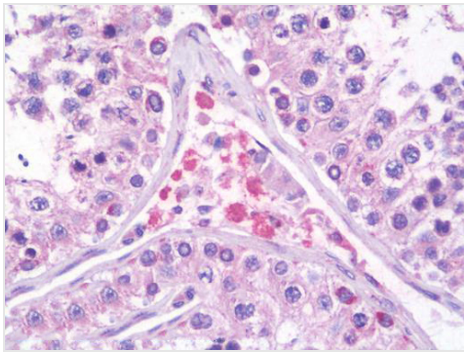
IMAGES



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



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



IHC (Immunohistochemistry)

Anti-PRICKLE2 antibody IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PRICKLE2 antibody

PRICKLE2 Antibody, EPM5 Antibody, Prickle homolog 2 (Drosophila) Antibody, Prickle-like protein 2 Antibody, Prickle-like 2 (Drosophila) Antibody Description: PRICKLE2 encodes a homolog of Drosophila prickle. The exact function of this gene is not known, however, studies in mice suggest that it may be involved in seizure prevention. Mutations in this gene are associated with progressive myoclonic epilepsy type 5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38524620
NCBI GeneID	166336
NCBI Accession #	NP_942559.1
NCBI GenBank Nucleotide #	NM_198859.3
UniProt Accession #	Q7Z3G6; Q0VF44
NCBI Official Full Name	prickle-like protein 2
NCBI Official Synonym Full Names	prickle planar cell polarity protein 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prickle2-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/162151>