

**PRICKLE1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18864B**

**Specification**

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**PRICKLE1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96MT3</a>
Other Accession	<a href="#">NP_001138353.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	94300
Antigen Region	678-704

**PRICKLE1 Antibody (C-term) - Additional Information**

**Gene ID** 144165

**Other Names**

Prickle-like protein 1, REST/NRSF-interacting LIM domain protein 1, PRICKLE1, RILP

**Target/Specificity**

This PRICKLE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 678-704 amino acids from the C-terminal region of human PRICKLE1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PRICKLE1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRICKLE1 Antibody (C-term) - Protein Information**

**Name** PRICKLE1

**Synonyms** RILP

**Function** Involved in the planar cell polarity pathway that controls convergent extension during gastrulation and neural tube closure. Convergent extension is a complex morphogenetic process during which cells elongate, move mediolaterally, and intercalate between neighboring cells, leading to convergence toward the mediolateral axis and extension along the anteroposterior axis. Necessary for nuclear localization of REST. May serve as nuclear receptor.

#### **Cellular Location**

Nucleus membrane. Cytoplasm, cytosol. Note=A smaller amount is detected in the cytosol

#### **Tissue Location**

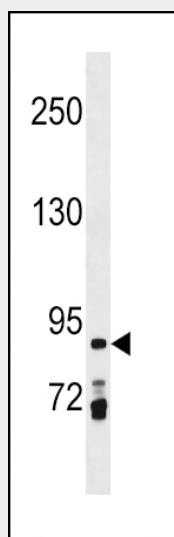
Expressed at highest levels in placenta and at lower levels in lung, liver, kidney and pancreas. Expressed in thalamus, hippocampus, cerebral cortex, and cerebellum (in neurons rather than glia).

### **PRICKLE1 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PRICKLE1 Antibody (C-term) - Images**



PRICKLE1 Antibody (C-term)(Cat. #AP18864b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the PRICKLE1 antibody detected the PRICKLE1 protein (arrow).

### **PRICKLE1 Antibody (C-term) - Background**

This gene encodes a nuclear receptor that may be a negative regulator of the Wnt/beta-catenin signaling pathway. The

encoded protein localizes to the nuclear membrane and has been implicated in the nuclear trafficking of the transcription repressors REST/NRSF and REST4. Mutations in this gene have been linked to progressive myoclonus epilepsy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 3.

#### **PRICKLE1 Antibody (C-term) - References**

Smith, N.L., et al. Circ Cardiovasc Genet 3(3):256-266(2010)  
Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :  
Perry, J.R., et al. Diabetes 58(6):1463-1467(2009)  
Narimatsu, M., et al. Cell 137(2):295-307(2009)  
Shimojo, M. J. Biol. Chem. 283(50):34880-34886(2008)