

**PRICKLE1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18864b****Specification**

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

Primary Accession [Q96MT3](#)

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

**Gene ID** 144165

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PRICKLE1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

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

## **PRICKLE1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)