

PRICKLE3 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10642**Specification****PRICKLE3 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	O43900
Other Accession	NM_006150 , NP_006141
Reactivity	Human, Mouse, Rat, Pig, Horse, Dog
Predicted	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68kDa KDa

PRICKLE3 antibody - C-terminal region - Additional Information**Gene ID** 4007**Alias Symbol** LMO6**Other Names**

Prickle-like protein 3, LIM domain only protein 6, LMO-6, Triple LIM domain protein 6, PRICKLE3, LMO6

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PRICKLE3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PRICKLE3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PRICKLE3 antibody - C-terminal region - Protein Information**Name** PRICKLE3 ([HGNC:6645](#))**Synonyms** LMO6**Function**

Involved in the planar cell polarity (PCP) pathway that is essential for the polarization of epithelial cells during morphogenetic processes, including gastrulation and neurulation (By similarity). PCP is maintained by two molecular modules, the global and the core modules, PRICKLE3 being part of the core module (By similarity). Distinct complexes of the core module segregate to opposite sides of the cell, where they interact with the opposite complex in the neighboring cell at or near the adherents junctions (By similarity). Involved in the organization of the basal body (By similarity).

Involved in cilia growth and positioning (By similarity). Required for proper assembly, stability, and function of mitochondrial membrane ATP synthase (mitochondrial complex V) (PubMed:32516135).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:A8WH69, ECO:0000269|PubMed:32516135}. Cell membrane {ECO:0000250|UniProtKB:A8WH69}; Peripheral membrane protein {ECO:0000250|UniProtKB:A8WH69}; Cytoplasmic side {ECO:0000250|UniProtKB:A8WH69}. Mitochondrion. Note=Recruited by VANG2 to anterior cell borders. This polarity is controlled by Wnt proteins (By similarity). WTIP is involved in the recruitment of PRICKLE3 to the basal body (By similarity). {ECO:0000250|UniProtKB:A8WH69}

Tissue Location

Widely expressed.

PRICKLE3 antibody - C-terminal region - 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](#)