

PRICKLE3 / LMO6 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2649a**Specification**

PRICKLE3 / LMO6 Antibody (internal region) - Product Information

Application	E
Primary Accession	O43900
Other Accession	NP_006141.2 , 4007 , 317380 (rat)
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	68609

PRICKLE3 / LMO6 Antibody (internal region) - Additional Information**Gene ID** 4007**Other Names**

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PRICKLE3 / LMO6 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PRICKLE3 / LMO6 Antibody (internal 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 VANGL2 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 / LMO6 Antibody (internal 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](#)

PRICKLE3 / LMO6 Antibody (internal region) - Images

PRICKLE3 / LMO6 Antibody (internal region) - References

Sequence-based exon prediction around the synaptophysin locus reveals a gene-rich area containing novel genes in human proximal Xp. Fisher SE, Ciccodicola A, Tanaka K, Curci A, Desicato S, D'urso M, Craig IW. Genomics. 1997 Oct 15;45(2):340-7. PMID: 9344658