

PATJ Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54746**Specification**

PATJ Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q8NI35
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	196368

PATJ Polyclonal Antibody - Additional Information**Other Names**

InaD-like protein, Inadl protein, hINADL, Channel-interacting PDZ domain-containing protein, Pals1-associated tight junction protein, Protein associated to tight junctions, PATJ
{ECO:0000303|PubMed:22006950, ECO:0000312|HGNC:HGNC:28881}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PATJ Polyclonal Antibody - Protein Information

Name PATJ {ECO:0000303|PubMed:22006950, ECO:0000312|HGNC:HGNC:28881}

Function

Scaffolding protein that facilitates the localization of proteins to the cell membrane (PubMed:11927608, PubMed:16678097, PubMed:22006950). Required for the correct formation of tight junctions and epithelial apico-basal polarity (PubMed:11927608, PubMed:16678097). Positively regulates epithelial cell microtubule elongation and cell migration, possibly via facilitating localization of PRKCI/aPKC and PAR3D/PAR3 at the leading edge of migrating cells (By similarity). Plays a role in the correct reorientation of the microtubule-organizing center during epithelial migration (By similarity). May regulate the surface expression and/or function of ASIC3 in sensory neurons (By similarity). May recruit ARHGEF18 to apical cell-cell boundaries (PubMed:22006950).

Cellular Location

Cell junction, tight junction. Apical cell membrane; Peripheral membrane protein. Cytoplasm,

perinuclear region. Note=Localizes to the apical region at the start of epithelial cell polarization then locates to tight junctions as polarization is completed (PubMed:11964389). Localized in the paranodal region of myelinating Schwann cells (By similarity) Localized to the leading edge of the actin cortex of migrating epithelia cells (By similarity). {ECO:0000250|UniProtKB:E2QYC9, ECO:0000250|UniProtKB:Q63ZW7}

Tissue Location

Expressed in renal tubules (at protein level) (PubMed:19755384). Expressed in bladder, testis, ovary, small intestine, colon, heart, skeletal muscle, pancreas and cerebellum in the brain.

PATJ Polyclonal Antibody - 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](#)

PATJ Polyclonal Antibody - Images