10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

INADL antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12187

Product Information

Application	WB
Primary Accession	Q8NI35
Other Accession	NM_176877, NP_795352
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	196368

Additional Information

Gene ID	10207
Alias Symbol	Cipp, FLJ26982, PATJ, hINADL, InaD-like
Other Names	InaD-like protein, Inadl protein, hINADL, Pals1-associated tight junction protein, Protein associated to tight junctions, INADL, PATJ
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-INADL 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	INADL antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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). Acts (via its L27 domain) as an apical connector and elongation factor for multistranded TJP1/ZO1 condensates that form a tight junction belt, thereby required for the formation of the tight junction-mediated cell barrier (By similarity). 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).

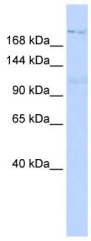
Cellular Location

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). Localizes to the most apical strand of TJP1/ZO1 condensates during junctional condensation elongation (By similarity). 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.

Images



WB Suggested Anti-INADL Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: 293T cell lysate