

INADL antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12187**Specification****INADL antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q8NI35
Other Accession	NM_176877 , NP_795352
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	196kDa KDa

INADL antibody - N-terminal region - Additional Information

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.

INADL antibody - N-terminal region - 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](http://www.uniprot.org/citations/11927608), PubMed:[16678097](http://www.uniprot.org/citations/16678097), PubMed:[22006950](http://www.uniprot.org/citations/22006950)). Required for the correct formation of tight junctions and epithelial apico-basal polarity (PubMed:[11927608](http://www.uniprot.org/citations/11927608), PubMed:[16678097](http://www.uniprot.org/citations/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

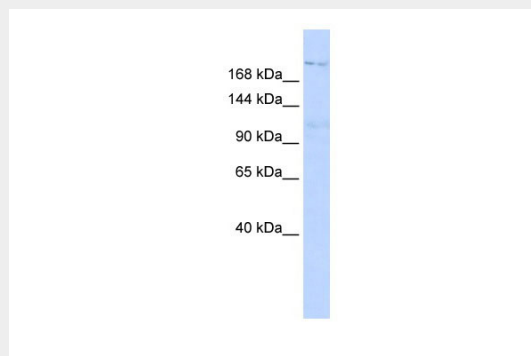
Expressed in renal tubules (at protein level) (PubMed:19755384). Expressed in bladder, testis, ovary, small intestine, colon, heart, skeletal muscle, pancreas and cerebellum in the brain.

INADL antibody - N-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](#)

INADL antibody - N-terminal region - Images



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