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INADL / PATJ Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS14942

Specification

INADL / PATJ Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q8NI35
Reactivity	**Human, Rabbit, Monkey, Bovine**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**196kDa KDa**

INADL / PATJ Antibody (N-Terminus) - Additional Information

Other Names
InaD-like protein, Inadl protein, hINADL, Pals1-associated tight junction protein, Protein associated to tight junctions, INADL, PATJ

Target/Specificity
Human INADL.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
INADL / PATJ Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

INADL / PATJ Antibody (N-Terminus) - 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}

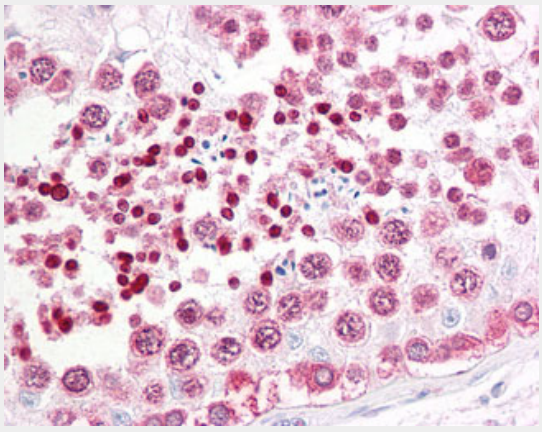
Tissue Location
Expressed in renal tubules (at protein level) (PubMed:19755384). Expressed in bladder, testis, ovary, small intestine, colon, heart, skeletal muscle, pancreas and cerebellum in the brain.

INADL / PATJ Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

INADL / PATJ Antibody (N-Terminus) - Images



Anti-INADL antibody IHC of human testis.

INADL / PATJ Antibody (N-Terminus) - Background

Scaffolding protein that may bring different proteins into adjacent positions at the cell membrane. May regulate protein targeting, cell polarity and integrity of tight junctions. May regulate the surface expression and/or function of ASIC3 in sensory neurons.

INADL / PATJ Antibody (N-Terminus) - References

Philipp S.,et al.FEBS Lett. 413:243-248(1997).
Soejima H.,et al.Genomics 74:115-120(2001).
Roh M.H.,et al.J. Cell Biol. 157:161-172(2002).
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Lemmers C.,et al.J. Biol. Chem. 277:25408-25415(2002).