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INADL / PATJ Antibody (N-Term)

Peptide-affinity purified goat antibody
Catalog # AF2388a

Specification

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

Application	**IHC**
Primary Accession	Q8NI35
Other Accession	NP_795352.2, 10207
Reactivity	**Human**
Predicted	**Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**196368**

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

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

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

INADL / PATJ Antibody (N-Term) - 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}

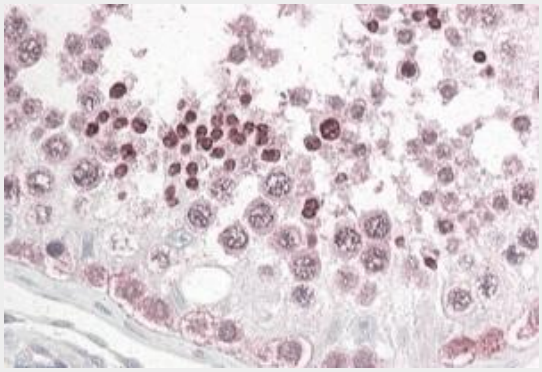
Tissue Location
Expressed in renal tubules (at protein level) (PubMed:19755384). Expressed in bladder, testis, ovary, small intestine, colon, heart, skeletal muscle, pancreas and cerebellum in the brain.

INADL / PATJ Antibody (N-Term) - 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-Term) - Images



AF2388a (3.8 µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

INADL / PATJ Antibody (N-Term) - References

Molecular characterization of a novel human PDZ domain protein with homology to INAD from Drosophila melanogaster. Philipp S, Flockerzi V. FEBS Lett. 1997 Aug 18;413(2):243-8. PMID: 9280290