

For Research Use Only

NKD2 Polyclonal antibody, PBS Only

Catalog Number: 16699-1-PBS

Featured Product



Basic Information

Catalog Number:

16699-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10094

GenBank Accession Number:

BC012176

GeneID (NCBI):

85409

UNIPROT ID:

Q969F2

Full Name:

naked cuticle homolog 2 (Drosophila)

Calculated MW:

50 kDa

Observed MW:

59 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Naked2 (protein naked cuticle homolog 2), encoded by NKD2 gene, was identified as a cell autonomous antagonist of the canonical Wnt signaling pathway. Naked2 acts as a cargo recognition and targeting protein to ensure proper delivery and fusion of TGF- α -containing vesicles to a distinct region at the basolateral surface of polarized epithelial cells (PMID: 17553928). EGFR-independent action of TGF- α protects Naked2 from proteasomal degradation, thus ensuring its delivery to the basolateral surface (PMID: 18757723). Myristoylated Naked2 antagonizes Wnt-beta-catenin activity possibly by degrading Dishevelled-1 at the plasma membrane (PMID: 20177058).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

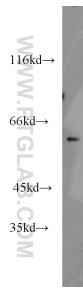
For technical support and original validation data for this product please contact:

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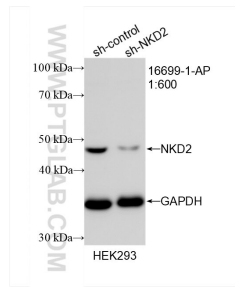
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 16699-1-AP (NKD2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16699-1-PBS in a different storage buffer formulation.



WB result of NKD2 antibody (16699-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-NKD2 transfected HEK-293 cells. This data was developed using the same antibody clone with 16699-1-PBS in a different storage buffer formulation.