

For Research Use Only

NKD2 Polyclonal antibody

Catalog Number: 16699-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

16699-1-AP

Concentration:

300 ug/ml

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

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse kidney tissue, HEK-293 cells, mouse colon tissue

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).

Notable Publications

Author	Pubmed ID	Journal	Application
S Zhao	25579177	Oncogene	WB
Weiran Xu	29424266	Biosci Biotechnol Biochem	WB
Chengcai Wang	39714941	Rejuvenation Res	WB,IP,CoIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

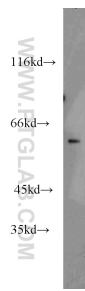
T: 4006900926

E: Proteintech-CN@ptglab.com

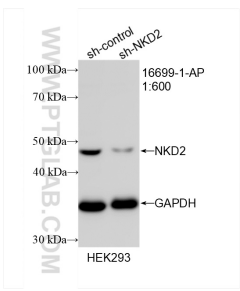
W: ptgcn.com

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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.



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.