

For Research Use Only

NKD2 Polyclonal antibody

Catalog Number: 16699-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 16699-1-AP	GenBank Accession Number: BC012176	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 85409	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: naked cuticle homolog 2 (Drosophila)	
Isotype: IgG	Calculated MW: 50 kDa	
Immunogen Catalog Number: AG10094	Observed MW: 59 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse kidney tissue, HEK-293 cells, mouse colon tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

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- β -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
Jia-Xi Zhu	38010861	Kaohsiung J Med Sci	WB

Storage

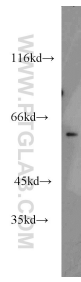
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.