

NKD2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57457**Specification**

NKD2 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q969F2
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NKD2
Epitope Specificity	321-420/451
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane. Cytoplasm. Cytoplasmic vesicle.
SIMILARITY	Belongs to the NKD family. Contains 1 EF-hand domain.
Post-translational modifications	Ubiquitinated, leading to rapid proteasomal degradation. Interaction with TGFA interferes with RNF25 binding and protects against ubiquitination mediated by RNF25.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a member of a family of proteins that function as negative regulators of Wnt receptor signaling through interaction with Dishevelled family members. The encoded protein participates in the delivery of transforming growth factor alpha-containing vesicles to the cell membrane. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]

NKD2 Polyclonal Antibody - Additional Information**Gene ID** 85409**Other Names**

Protein naked cuticle homolog 2, Naked-2, hNkd2, NKD2

Target/Specificity

Expressed in kidney, lung, pancreas and spleen.

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

NKD2 Polyclonal Antibody - Protein Information

Name NKD2

Function

Cell autonomous antagonist of the canonical Wnt signaling pathway. May activate a second Wnt signaling pathway that controls planar cell polarity (By similarity). Required for processing of TGFA and for targeting of TGFA to the basolateral membrane of polarized epithelial cells.

Cellular Location

Cell membrane. Cytoplasm. Cytoplasmic vesicle

Tissue Location

Expressed in kidney, lung, pancreas and spleen.

NKD2 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NKD2 Polyclonal Antibody - Images