

NKD2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12158B**Specification**

NKD2 Antibody (C-term) - Product Information

Application	IF, WB, IHC-P, FC,E
Primary Accession	O969F2
Other Accession	NP_149111.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50055
Antigen Region	366-393

NKD2 Antibody (C-term) - Additional Information**Gene ID** 85409**Other Names**

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

Target/Specificity

This NKD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-393 amino acids from the C-terminal region of human NKD2.

Dilution

IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NKD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NKD2 Antibody (C-term) - 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

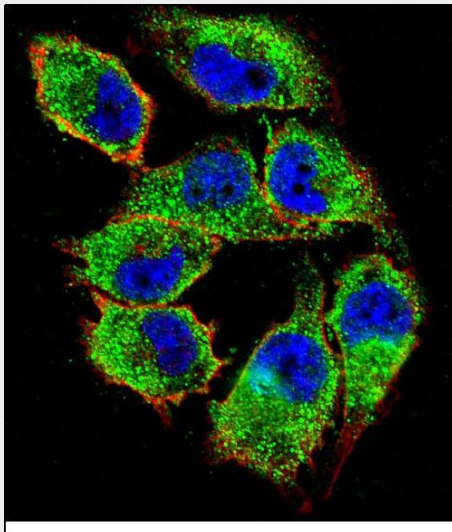
Expressed in kidney, lung, pancreas and spleen.

NKD2 Antibody (C-term) - Protocols

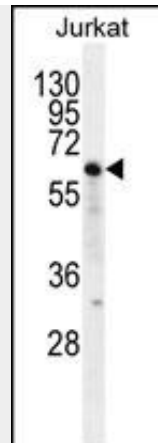
Provided below are standard protocols that you may find useful for product applications.

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

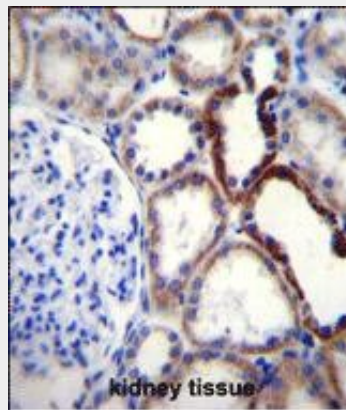
NKD2 Antibody (C-term) - Images



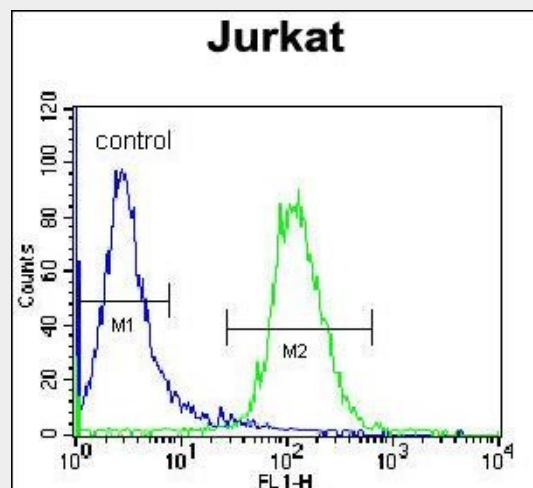
Confocal immunofluorescent analysis of NKD2 Antibody (C-term)(Cat#AP12158b) with A375 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



NKD2 Antibody (C-term) (Cat. #AP12158b) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the NKD2 antibody detected the NKD2 protein (arrow).



NKD2 Antibody (C-term) (Cat. #AP12158b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NKD2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



NKD2 Antibody (C-term) (Cat. #AP12158b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

NKD2 Antibody (C-term) - Background

In the mouse, Nkd is a Dishevelled (see DVL1; MIM 601365)-binding protein that functions as a negative regulator of the Wnt (see WNT1; MIM 164820)-beta-catenin (see MIM 116806)-Tcf (see MIM 602272) signaling pathway.

NKD2 Antibody (C-term) - References

Hu, T., et al. J. Biol. Chem. 285(18):13561-13568(2010)
Ding, W., et al. Proc. Natl. Acad. Sci. U.S.A. 105(36):13433-13438(2008)
Li, C., et al. Mol. Biol. Cell 18(8):3081-3093(2007)
Adamowicz, M., et al. Genes Chromosomes Cancer 45(9):829-838(2006)
Li, C., et al. Proc. Natl. Acad. Sci. U.S.A. 101(15):5571-5576(2004)