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NKD2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12158B

Product Information

Application	WB, IHC-P, IF, FC, E
Primary Accession	Q969F2
Other Accession	NP_149111.1
Reactivity	Human
Predicted	Mouse, Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31974
Calculated MW	50055
Antigen Region	366-393

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	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.

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.

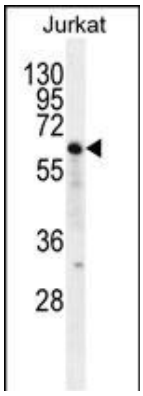
Background

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.

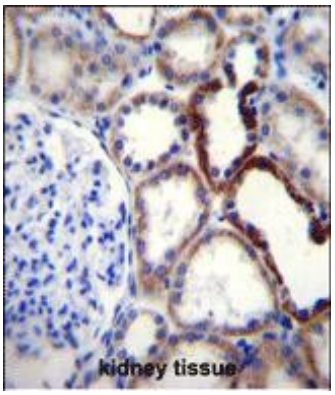
References

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Images

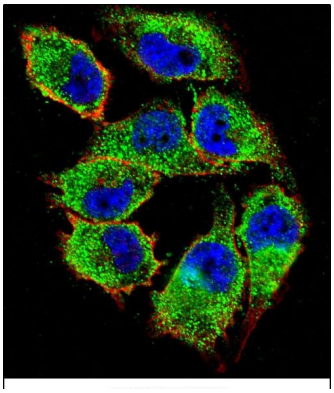


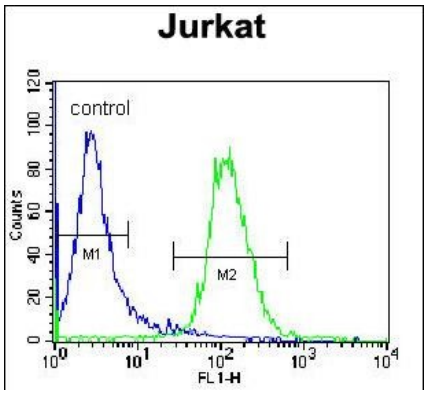
NKD2 Antibody (C-term) (Cat. #AP12158b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the NKD2 antibody detected the NKD2 protein (arrow).



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.

Confocal immunofluorescent analysis of NKD2 Antibody (C-term)(Cat#AP12158b) with A375 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (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) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.