

For Research Use Only

NUAK2 Polyclonal antibody

Catalog Number: 11592-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 11592-1-AP	GenBank Accession Number: BC017306	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 81788	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: NUAK family, SNF1-like kinase, 2	
Isotype: IgG	Calculated MW: 628 aa, 70 kDa	
Immunogen Catalog Number: AG2031	Observed MW: 70 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : Y79 cells, HeLa cells
Cited Applications: IF, IHC, WB	IHC : human kidney tissue, human renal cell carcinoma tissue
Species Specificity: human, mouse, rat	IF : NIH3T3 cells,
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

NUAK2(NUAK family SNF1-like kinase 2) is also named as OMPHK2, SNARK and belongs to the SNF1 subfamily. The function of NUAK2 is partly dependent on anti-apoptotic properties against apoptosis induced by death ligand and NUAK2 also has effects on the migration of cancer cells as speculated from studies on myosin filaments and cytoskeleton organization in normal cells(PMID:21911917). Western blot analysis detected NUAK2 expressed in cancer cell lines of diverse tissue origin(PMID:12409306).

Notable Publications

Author	Pubmed ID	Journal	Application
Doaa Hussein Zineldeen	25732129	Ann Clin Biochem	WB, IF
Takeshi Namiki	25832654	Cancer Res	WB, IF
Namiki Takeshi T	21460252	Proc Natl Acad Sci U S A	WB,IHC

Storage

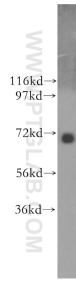
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

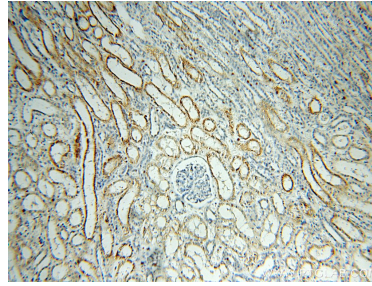
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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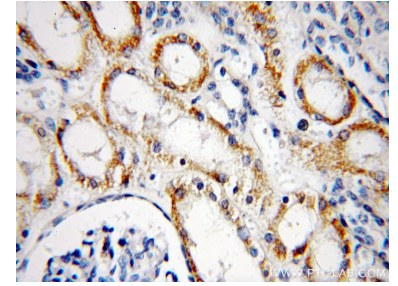
Selected Validation Data



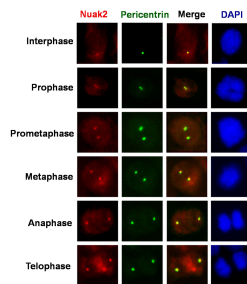
Y79 cells were subjected to SDS PAGE followed by western blot with 11592-1-AP (NUAK2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 11592-1-AP (NUAK2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 11592-1-AP (NUAK2 antibody) at dilution of 1:50 (under 40x lens).



NIH3T3 cells on cover slips fixed and staining with anti-NUAK2 (11592-1-AP, 1:100; Rabbit polyclonal - Red) and anti-pericentrin (centrosome Marker; McAb-Green). The photo shows the centrosome in cell cycle: Interphase, Prophase, Prometaphase, Metaphase, Anaphase and Telophase. DAPI was used to stain the cell nuclei (blue) at a concentration of 1ug/ml. (from Dr. Zineldeen Doaa Hussein).