

KATNB1

Polyclonal ANTIBODY

Catalog Number: 14969-1-AP

2 Publications

Basic Information

Catalog Number:
14969-1-AP

Size:
32 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AC6836

GenBank Accession Number:
BC001353

GeneID (NCBI):
10300

Full Name:
katanin p80 (WD repeat containing) subunit B 1

Calculated MW:
72 kDa

Observed MW:
72-80 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IF 1:50-1:500

Applications

Tested Applications:
ELISA, WB, IP, IF

Cited Applications:
IF, WB

Species Specificity:
human,mouse,rat

Cited Species:
human, mouse

Positive Controls:

WB : HeLa cells; A431 cells, HepG2 cells, mouse skeletal muscle tissue

IP : HeLa cells;

IF : HeLa cells;

Background Information

Katanin p80 WD40-containing subunit B1 is a protein that in humans is encoded by the KATNB1 gene. Microtubules, polymers of alpha and beta tubulin subunits, form the mitotic spindle of a dividing cell and help to organize membranous organelles during interphase. Katanin is a heterodimer that consists of a 60 kDa ATPase (p60 subunit A 1) and an 80 kDa accessory protein (p80 subunit B 1). The p60 subunit acts to sever and disassemble microtubules, while the p80 subunit targets the enzyme to the centrosome. Katanin is a member of the AAA family of ATPases.

Notable Publications

Author	Pubmed ID	Journal	Application
Kai Jiang	24486153	Dev Cell	WB
Wen F Hu	25521379	Neuron	WB, IF

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

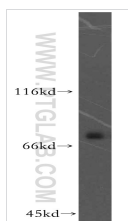
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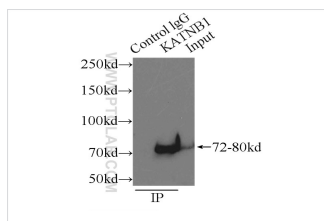
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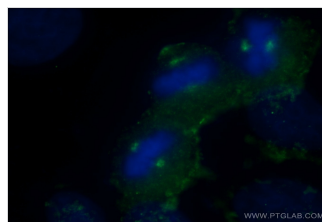
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14969-1-AP(KATNB1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



IP Result of anti-KATNB1 (IP:14969-1-AP, 3ug; Detection:14969-1-AP 1:500) with HeLa cells lysate 3000ug.



Immunofluorescent analysis of (-20) Ethanol fixed HeLa cells using 14969-1-AP(KATNB1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)