

For Research Use Only

KIF5B Recombinant antibody, PBS Only



Catalog Number: 82485-1-PBS

Featured Product

Basic Information

Catalog Number:

82485-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16250

GenBank Accession Number:

BC126279

GeneID (NCBI):

3799

UNIPROT ID:

P33176

Full Name:

kinesin family member 5B

Calculated MW:

963 aa, 110 kDa

Observed MW:

110-120 kDa

Purification Method:

Protein A purification

CloneNo.:

2B18

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human, mouse, rat

Background Information

KIF5B, also known as KINH, KNS1, belongs to the Kinesin-1 family. KIF5B contains three structural domains: a globular N-terminal motor domain, a central alpha-helical rod domain, and a globular C-terminal domain. During the G2 phase of the cell cycle in a BICD2-dependent manner, KIF5B antagonizes the dynein function and drives the separation of nuclei and centrosomes (PMID: 20386726). KIF5B drives the polarization of cytoplasmic granules and microtubule-organizing centers (MTOCs) toward the immune synapse between effector NK lymphocytes and target cells (KIF5B:24088571).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

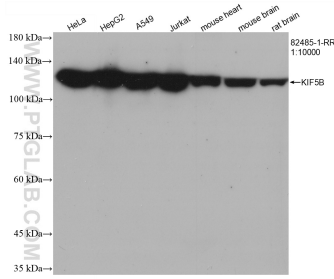
T: 4006900926

E: Proteintech-CN@ptglab.com

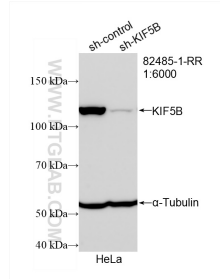
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82485-1-RR (KIF5B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82485-1-PBS in a different storage buffer formulation.



WB result of KIF5B antibody (82485-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KIF5B transfected HeLa cells. This data was developed using the same antibody clone with 82485-1-PBS in a different storage buffer formulation.