

For Research Use Only

KIF21A Polyclonal antibody, PBS Only

Catalog Number: 27276-1-PBS



Basic Information

Catalog Number:

27276-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26192

GenBank Accession Number:

NM_001173463

GeneID (NCBI):

55605

Full Name:

kinesin family member 21A

Calculated MW:

187 kDa

Observed MW:

190-200 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

KIF21A is well known for its association with congenital fibrosis of the extraocular muscles type 1 (CFEOM1). CFEOM1-related mutations in KIF21A relieve autoinhibition of the motor and third coiled-coil stalk, which results in enhanced accumulation of KIF21A in axonal growth cones and aberrant axon morphology in the oculomotor nerve. (PMID: 38767486)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

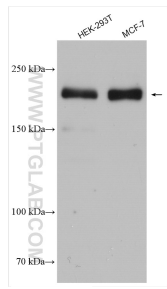
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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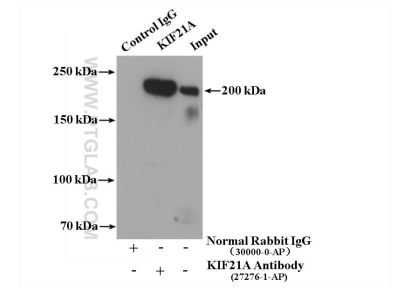
Selected Validation Data



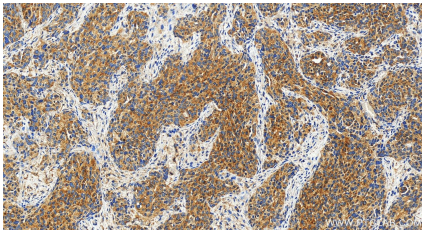
Various lysates were subjected to SDS PAGE followed by western blot with 27276-1-AP (KIF21A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27276-1-PBS in a different storage buffer formulation.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 27276-1-AP (KIF21A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27276-1-PBS in a different storage buffer formulation.



IP result of anti-KIF21A (IP:27276-1-AP, 4ug; Detection:27276-1-AP 1:500) with mouse brain tissue lysate 5600ug. This data was developed using the same antibody clone with 27276-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27276-1-AP (KIF21A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27276-1-PBS in a different storage buffer formulation.