

For Research Use Only

CEP104 Polyclonal antibody, PBS Only

Catalog Number: 31847-1-PBS



Basic Information

Catalog Number:

31847-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35662

GenBank Accession Number:

NM_014704.3

GeneID (NCBI):

9731

UNIPROT ID:

O60308

Full Name:

KIAA0562

Calculated MW:

104kDa, 925aa

Observed MW:

70 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

KIAA0562, also known as CEP104 (centrosomal protein 104), is a gene encoding a centrosomal protein that is essential for ciliogenesis and the structural integrity of the cilium tip. During ciliogenesis, CEP104 is translocated from the distal tip of the centriole to the elongated cilium tip. CEP104 is expressed in a variety of cell types, including tissues such as testis and kidney. Mutations in its gene are associated with the autosomal recessive disorder Joubert syndrome, which is characterized by distinctive mid-hindbrain and cerebellar malformations, actinic dyskinesia, irregular breathing, developmental delay, and ataxia. In studies, inhibitors of CEP104 such as Cytochalasin D and Vismodegib have been used to investigate their specific role in cellular function.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

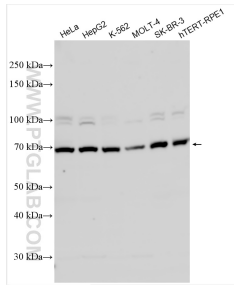
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31847-1-AP (KIAA0562 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31847-1-PBS in a different storage buffer formulation.