

For Research Use Only

CEP104 Polyclonal antibody

Catalog Number: 31847-1-AP



Basic Information

Catalog Number:

31847-1-AP

Concentration:

450 ug/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

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells, MOLT-4 cells, SK-BR-3 cells, hTERT-RPE1 cells

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 -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

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

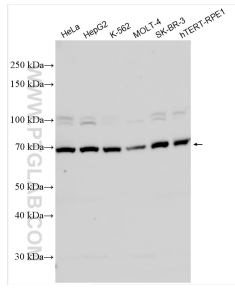
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.