

For Research Use Only

# CEP104 Polyclonal antibody, PBS Only

Catalog Number: 31847-1-PBS



## Basic Information

<b>Catalog Number:</b> 31847-1-PBS	<b>GenBank Accession Number:</b> NML_014704.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9731	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60308	
<b>Isotype:</b> IgG	<b>Full Name:</b> KIAA0562	
<b>Immunogen Catalog Number:</b> AG35662	<b>Calculated MW:</b> 104kDa 925aa	
	<b>Observed MW:</b> 70 kDa	

## 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.

**Storage Buffer:**  
PBS Only

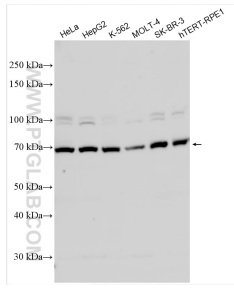
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## Selected Validation Data



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.