

For Research Use Only

# CEP162 Polyclonal antibody

Catalog Number: 30210-1-AP



## Basic Information

<b>Catalog Number:</b> 30210-1-AP	<b>GenBank Accession Number:</b> NM_001286206.1	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22832	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5TB80	
<b>Isotype:</b> IgG	<b>Full Name:</b> KIAA1009	
<b>Immunogen Catalog Number:</b> AG32953	<b>Calculated MW:</b> 162 kDa	
	<b>Observed MW:</b> 180 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HEK-293 cells, HeLa cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver tissue, human placenta tissue

## Background Information

CEP162, also known as KIAA1009 and QN1, was found in organisms ranging from trypanosomes to vertebrates. A role for CEP162, involved in required to promote assembly of the transition zone in primary cilia. CEP162 acts by specifically recognizing and binding the axonemal microtubule. CEP162 localizes to the distal ends of centrioles before ciliogenesis and directly binds to axonemal microtubule, thereby promoting and restricting transition zone formation specifically at the cilia base.

## Storage

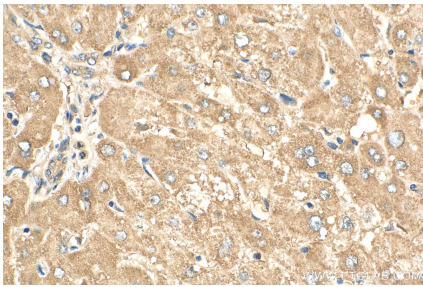
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

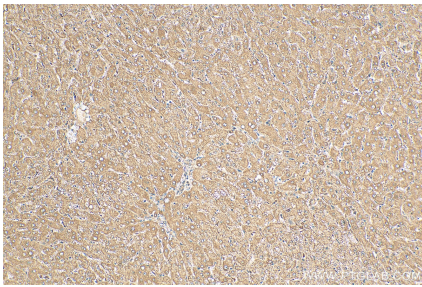
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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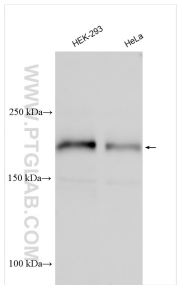
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30210-1-AP (CEP162 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30210-1-AP (CEP162 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 30210-1-AP (CEP162 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.