

For Research Use Only

# CENPB Recombinant monoclonal antibody

Catalog Number: 87672-1-RR



## Basic Information

<b>Catalog Number:</b> 87672-1-RR	<b>GenBank Accession Number:</b> BC053847	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 1059	<b>CloneNo.:</b> 253126C5
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P07199	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Immunogen Catalog Number:</b> AG24967	<b>Full Name:</b> centromere protein B, 80kDa	
	<b>Calculated MW:</b> 65 kDa	
	<b>Observed MW:</b> 75-80 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HeLa cells, HT-29 cells, HEK-293 cells, MDCK cells
<b>Species Specificity:</b> human, mouse	

## Background Information

Centromere protein B (CENPB), also known as major centromere autoantigen B, is an autoantigen protein of the cell nucleus. In mammalian centromeres CENPB plays a critical role in the organization of chromatin structure, but in the absence of CENPB some chromosomes use other redundant proteins to accomplish mitosis (PMID: 14963831). CENPB plays an important role in cell cycle regulation. CENPB is highly expressed in cancer cells helping in high rate proliferation. This antibody detects CENPB protein with a molecular weight of 80 kDa (PMID: 34547289, PMID: 29273057).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

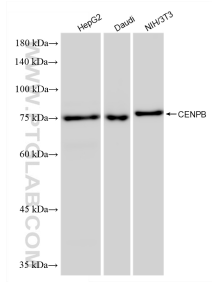
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

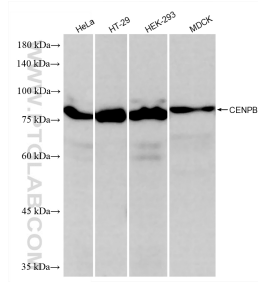
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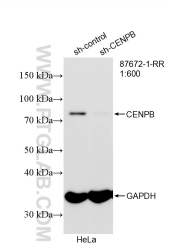
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87672-1-RR (CENPB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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WB result of CENPB antibody (87672-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-CENPB transfected HeLa cells.