

For Research Use Only

# CENPS-CORT Polyclonal antibody, PBS Only

Catalog Number:33963-1-PBS



## Basic Information

<b>Catalog Number:</b> 33963-1-PBS	<b>GenBank Accession Number:</b> GeneID (NCBI): 100526739	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>UNIPROT ID:</b> Q8N2Z9	
<b>Source:</b> Rabbit	<b>Full Name:</b> CENPS-CORT readthrough	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 15kDa	
<b>Immunogen Catalog Number:</b> AG40952	<b>Observed MW:</b> 19 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CENPS-CORT is a centromeric protein complex composed of core subunits such as CENPS and CENPT, playing a critical role in chromosome biology. This complex localizes to the centromere region and directly participates in the assembly and maintenance of the centromere-kinetochore structure, ensuring accurate chromosome segregation during both mitosis and meiosis. Its functions primarily include promoting nucleosome assembly at the centromere, maintaining the three-dimensional structural integrity of the centromere, and ensuring the fidelity of chromosome separation by regulating microtubule-kinetochore attachments. Studies have shown that dysfunction of the CENPS-CORT complex disrupts the accuracy of chromosome segregation, leading to chromosomal numerical abnormalities such as aneuploidy, which is closely associated with tumorigenesis and reproductive disorders. It is therefore an important subject in research on cell cycle regulation and genomic stability.

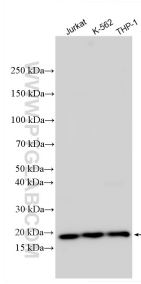
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

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  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33963-1-AP (CENPS-CORT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33963-1-PBS in a different storage buffer formulation.