

For Research Use Only

# CENPS-CORT Polyclonal antibody

Catalog Number: 33963-1-AP



## Basic Information

Catalog Number:

33963-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG40952

GenBank Accession Number:

GeneID (NCBI):

100526739

UNIPROT ID:

Q8N2Z9

Full Name:

CENPS-CORT readthrough

Calculated MW:

15kDa

Observed MW:

19 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: Jurkat cells, K-562 cells, THP-1 cells

## 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 -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:

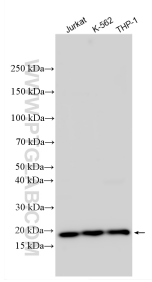
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W: [ptgcn.com](http://ptgcn.com)

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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.