

For Research Use Only

# CENPO Polyclonal antibody

Catalog Number: 20611-1-AP



## Basic Information

### Catalog Number:

20611-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 353 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14619

### GenBank Accession Number:

BC002870

### GeneID (NCBI):

79172

### UNIPROT ID:

Q9BU64

### Full Name:

centromere protein O

### Calculated MW:

300 aa, 34 kDa

### Observed MW:

34 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : mouse brain tissue, HEK-293 cells, HL-60 cells, mouse kidney tissue, mouse ovary tissue

## Background Information

CENPO is a component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. CENPO may be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Besides, CENPA modulates the kinetochore-bound levels of NDC80 complex. CENPO has 2 isoforms with MW of 33 and 34 kDa, while different lysates may bind to one or two isoforms in SDS-PAGE.

## 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

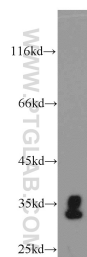
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 20611-1-AP (CENPO antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.