

For Research Use Only

CENPO Polyclonal antibody

Catalog Number: 20611-1-AP



Basic Information

Catalog Number: 20611-1-AP	GenBank Accession Number: BC002870	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79172	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: centromere protein O	
Isotype: IgG	Calculated MW: 300 aa, 34 kDa	
Immunogen Catalog Number: AG14619	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, HEK-293 cells, HL-60 cells, mouse kidney tissue, mouse ovary tissue
Species Specificity: human, mouse, rat	

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

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