

CENPO Polyclonal antibody

Catalog Number: 20611-1-AP

Basic Information

Catalog Number:

20611-1-AP

Size:

600 µg/ml

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

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.