

Datasheet for ABIN6991201
anti-CENPO antibody (AA 170-220)



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Overview

Quantity:	0.1 mg
Target:	CENPO
Binding Specificity:	AA 170-220
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPO antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	CENPO antibody was raised against a 16 amino acid synthetic peptide from near the center of human CENPO. The immunogen is located within amino acids 170 - 220 of CENPO.
Isotype:	IgG
Purification:	CENPO Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CENPO
Alternative Name:	CENPO (CENPO Products)
Background:	CENPO Antibody: Accurate chromosome segregation during mitosis requires a kinetochore to assemble correctly at the centromere of each chromatid and form a dynamic interface with the microtubules of the mitotic spindle. The kinetochore assembly includes the multisubunit CENP-

Target Details

H/I complex which can be divided into three functional classes based on phenotype analysis. One of these classes is referred to as the CENP-O class of proteins of which CENPO is the exemplar. These proteins form a stable complex with each other and are required for proper kinetochore function and for recovery from mitotic spindle damage. CENPO has also been shown to be an auto-antigen in a small population of anti-centromere antibodies- (ACA-) positive patients with scleroderma.

Gene ID: 79172

NCBI Accession: [NP_077298](#)

UniProt: [Q9BU64](#)

Application Details

Application Notes: CENPO antibody can be used for detection of CENPO by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: CENPO Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: CENPO antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.