

CENPO Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17884a**Specification**

CENPO Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9BU64
Other Accession	NP_077298.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33786
Antigen Region	42-69

CENPO Antibody (N-term) - Additional Information**Gene ID** 79172**Other Names**

Centromere protein O, CENP-O, Interphase centromere complex protein 36, CENPO, ICEN36, MCM21R

Target/Specificity

This CENPO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-69 amino acids from the N-terminal region of human CENPO.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CENPO Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CENPO Antibody (N-term) - Protein Information**Name** CENPO**Synonyms** ICEN36, MCM21R

Function 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. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Modulates the kinetochore-bound levels of NDC80 complex.

Cellular Location

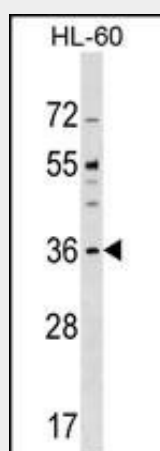
Nucleus. Chromosome, centromere. Chromosome, centromere, kinetochore. Note=The CENPA-CAD complex is probably recruited on centromeres by the CENPA-NAC complex

CENPO Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CENPO Antibody (N-term) - Images



CENPO Antibody (N-term) (Cat. #AP17884a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the CENPO antibody detected the CENPO protein (arrow).

CENPO Antibody (N-term) - Background

CENPO is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]).

CENPO Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Xin, X., et al. Genome Res. 19(7):1262-1269(2009)

Saito, A., et al. J. Rheumatol. 36(4):781-786(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Izuta, H., et al. Genes Cells 11(6):673-684(2006)