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CENPO Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17884a

Specification

CENPO Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9BU64

CENPO Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 79172

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CENPO Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

CENPO Antibody (N-term) Blocking Peptide - Images

CENPO Antibody (N-term) Blocking Peptide - Background

CENPO is a subunit of a CENPH (MIM 605607)-CENPI (MIM300065)-associated centromeric complex that targets CENPA (MIM117139) to centromeres and is required for proper kinetochorefunction and mitotic progression (Okada et al., 2006 [PubMed16622420]).

CENPO Antibody (N-term) Blocking Peptide - 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)