

CENPM Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9955a**Specification**

CENPM Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9NSP4](#)

CENPM Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 79019

Other Names

Centromere protein M, CENP-M, Interphase centromere complex protein 39,
Proliferation-associated nuclear element protein 1, CENPM, C22orf18, ICEN39, PANE1

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.

CENPM Antibody (C-term) Blocking Peptide - Protein Information

Name CENPM

Synonyms C22orf18, ICEN39, PANE1

Function

Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres.

Cellular Location

Nucleus. Cytoplasm. Chromosome, centromere, kinetochore. Note=Nuclear in non-confluent cells and cytoplasmic in confluent or dividing cells (By similarity). Localizes in the kinetochore domain of centromeres.

Tissue Location

Isoform 3 is highly expressed in spleen, and intermediately in heart, prostate and ovary. Isoform 3 is highly expressed in resting CD19 B-cells and B-lineage chronic lymphocytic leukemia (B-CLL) cells and weakly expressed in activated B-cells Isoform 1 is selectively expressed in activated CD19 cells and weakly in resting CD19 B-cells

CENPM Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CENPM Antibody (C-term) Blocking Peptide - Images

CENPM Antibody (C-term) Blocking Peptide - Background

CENPM is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA (MIM 117139) replaces histone H3 (see MIM 601128). CENPM is an additional factor required for centromere assembly.

CENPM Antibody (C-term) Blocking Peptide - References

Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009) Izuta, H., et al. Genes Cells 11(6):673-684(2006) Brickner, A.G., et al. Blood 107(9):3779-3786(2006) Okada, M., et al. Nat. Cell Biol. 8(5):446-457(2006)