

SEPT6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18676b**Specification**

SEPT6 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q14141](#)**SEPT6 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 23157**Other Names**

Septin-6, SEPT6, KIAA0128, SEP2

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.

SEPT6 Antibody (C-term) Blocking Peptide - Protein Information**Name** SEPTIN6 ([HGNC:15848](#))**Synonyms** KIAA0128, SEP2, SEPT6**Function**

Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Involved in cytokinesis. May play a role in HCV RNA replication. Forms a filamentous structure with SEPTIN12, SEPTIN6, SEPTIN2 and probably SEPTIN4 at the sperm annulus which is required for the structural integrity and motility of the sperm tail during postmeiotic differentiation (PubMed:25588830).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, spindle Chromosome, centromere, kinetochore Cleavage furrow. Midbody. Cell projection, cilium, flagellum. Note=In metaphase cells, localized within the microtubule spindle. At the metaphase plate, in close apposition to the kinetochores of the congressed chromosomes. In cells undergoing cytokinesis, localized to the midbody, the ingressing cleavage furrow, and the central spindle. Found in the sperm annulus (PubMed:25588830).

Tissue Location

Widely expressed..

SEPT6 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SEPT6 Antibody (C-term) Blocking Peptide - Images

SEPT6 Antibody (C-term) Blocking Peptide - Background

This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined.

SEPT6 Antibody (C-term) Blocking Peptide - References

Ding, X., et al. J. Biochem. Mol. Biol. 40(6):973-978(2007) Sirajuddin, M., et al. Nature 449(7160):311-315(2007) Kremer, B.E., et al. Cell 130(5):837-850(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Kim, C.S., et al. J. Virol. 81(8):3852-3865(2007)