

SEPT9 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13402c**Specification**

SEPT9 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9UHD8](#)**SEPT9 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 10801

Other Names

Septin-9, MLL septin-like fusion protein MSF-A, MLL septin-like fusion protein, Ovarian/Breast septin, Ov/Br septin, Septin D1, SEPT9, KIAA0991, MSF

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13402c was selected from the Center region of 40795. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SEPT9 Antibody (Center) Blocking peptide - Protein InformationName SEPTIN9 ([HGNC:7323](#))

Synonyms KIAA0991, MSF, SEPT9

Function

Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). May play a role in the internalization of 2 intracellular microbial pathogens, *Listeria monocytogenes* and *Shigella flexneri*.

Cellular Location

Cytoplasm, cytoskeleton. Note=In an epithelial cell line, concentrates at cell-cell contact areas. After TGF-beta1 treatment and induction of epithelial to mesenchymal transition, colocalizes partly with actin stress fibers. During bacterial infection, displays a collar shape structure next to actin at the pole of invading bacteria

Tissue Location

Widely expressed. Isoforms are differentially expressed in testes, kidney, liver heart, spleen, brain, peripheral blood leukocytes, skeletal muscle and kidney. Specific isoforms appear to demonstrate tissue specificity. Isoform 5 is the most highly expressed in fetal tissue. Isoform 1 is detected in all tissues except the brain and thymus, while isoform 2, isoform 3, and isoform 4 are detected at low levels in approximately half of the fetal tissues

SEPT9 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SEPT9 Antibody (Center) Blocking peptide - Images**SEPT9 Antibody (Center) Blocking peptide - Background**

This gene is a member of the septin family involved in cytokinesis and cell cycle control. This gene is a candidate for the ovarian tumor suppressor gene. Mutations in this gene cause hereditary neuralgic amyotrophy, also known as neuritis with brachial predilection. A chromosomal translocation involving this gene on chromosome 17 and the MLL gene on chromosome 11 results in acute myelomonocytic leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been described.

SEPT9 Antibody (Center) Blocking peptide - References

Saito, H., et al. Cancer Genet. Cytogenet. 201(2):111-115(2010) Amir, S., et al. Mol. Cancer Res. 8(5):643-652(2010) Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Santos, J., et al. Cancer Genet. Cytogenet. 197(1):60-64(2010) Tanzer, M., et al. PLoS ONE 5 (2), E9061 (2010) :