10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SEPT9 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13402c

Specification

SEPT9 Antibody (Center) Blocking peptide - Product Information

Primary 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 Information

Name 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 incytokinesis and cell cycle control. This gene is a candidate forthe ovarian tumor suppressor gene. Mutations in this gene causehereditary neuralgic amyotrophy, also known as neuritis withbrachial predilection. A chromosomal translocation involving thisgene on chromosome 17 and the MLL gene on chromosome 11 results inacute myelomonocytic leukemia. Multiple alternatively splicedtranscript variants encoding different isoforms have beendescribed.

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) :