

Rabbit SEPT9 Polyclonal Antibody | anti-SEPT9 antibody

SEPT9 Antibody

CATALOG # AAA323053	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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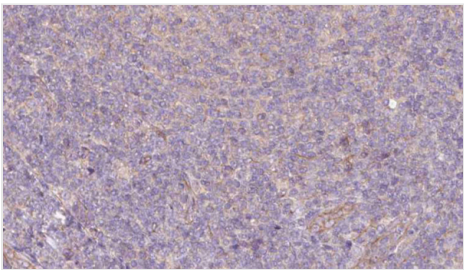
PRODUCT SYNONYMS

SEPT9; Polyclonal Antibody; SEPT9 Antibody; AF17q25; Cell division control protein septin D1; KIAA0991; MLL septin like fusion protein; MLL septin-like fusion protein; MLL septin-like fusion protein MSF-A; MSF; MSF1; NAPB; Ov/Br septin; Ovarian/breast septin alpha; Ovarian/Breast septin; PNUTL4; SEPT9_HUMAN; SeptD1; Septin 9; Septin D1; Septin-9; SINT1; anti-SEPT9 antibody

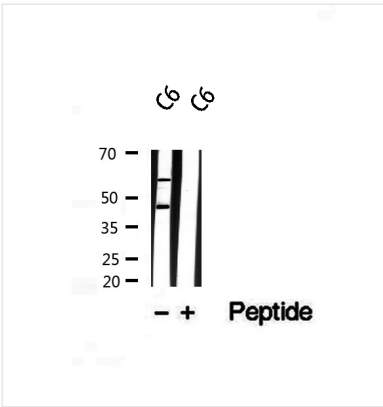
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEPT9 antibody detects endogenous levels of SEPT9.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	586
Applicable Applications for anti-SEPT9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SEPT9.
Subcellular Location	Cytoplasm > Cytoskeleton. 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 Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323053 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from c6, using SEPT9 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT9 antibody	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, <i>Listeria monocytogenes</i> and <i>Shigella flexneri</i>. Subunit Structure: Septins polymerize into heterooligomeric protein complexes that form filaments, and associate with cellular membranes, actin filaments, and microtubules. GTPase activity is required for filament formation. Interacts with SEPT2, SEPT6, SEPT7, SEPT11 and SEPT14. Interacts with RTKN and ARHGEF18. In a mesenchymal cell line, Rho/RTKN signals cause disruption of wild-type septin filaments, but not of those containing isoform 2 variants HNA Trp-106 and Phe-111. In a mesenchymal cell line, isoform 2 variants HNA Trp-106 and Phe-111, but not wild type, form filaments with SEPT4. Similarity: Belongs to the TRAFAC class TrmE-Era-EngA-EngB-Septin-like GTPase superfamily. Septin GTPase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	164698494
NCBI GeneID	10801
NCBI Accession #	NP_001106963.1
NCBI GenBank Nucleotide #	NM_001113491.1
UniProt Accession #	Q9UHD8; Q96QF3; Q96QF4; Q96QF5; Q9HA04; Q9UG40; A8K2V3; B3KPM0; B4DTL9; B4E0N2; B4E274; B7Z654
Molecular Weight	Observed: 65 kDa; 38-40 kDa Predicted: 66 kDa
NCBI Official Full Name	septin-9 isoform a
NCBI Official Synonym Full Names	septin 9
NCBI Official Symbol	SEPT9
NCBI Official Synonym Symbols	MSF; MSF1; NAPB; SINT1; PNUTL4; SeptD1; AF17q25
NCBI Protein Information	septin-9
UniProt Protein Name	Septin-9
UniProt Gene Name	SEPT9
UniProt Synonym Gene Names	KIAA0991; MSF; MLL septin-like fusion protein; Ov/Br septin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/sept9-antibody-immunohistochemistry-western-blot-elisa/323053>