

Rabbit SEPT6 Polyclonal Antibody | anti-SEPT6 antibody

SEPT6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325109	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SEPT6; Polyclonal Antibody; SEPT6 Antibody; KIAA0128; Nkrf; RCG53214; isoform CRA_d; RP5-876A24.2; SEP2; SEPT2; SEPT6/MLL FUSION GENE; SEPT6_HUMAN; Septin 2; Septin 6; Septin-6; anti-SEPT6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEPT6 antibody detects endogenous levels of total 41523
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	434
Applicable Applications for anti-SEPT6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton > Spindle. Chromosome > Centromere > Kinetochore. Cleavage Furrow. Midbody. 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.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Zebrafish (88%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325109 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using SEPT6 antibody.



IHC (Immunohistochemistry)

AAA325109 at 1/100 staining Mouse testis 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT6 antibody

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 SEPT12, SEPT6, SEPT2 and probably SEPT4 at the sperm annulus which is required for the structural integrity and motility of the sperm tail during postmeiotic differentiation (PubMed:25588830).
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. Filaments are assembled from asymmetrical heterotrimers, composed of SEPT2, SEPT6 and SEPT7 that associate head-to-head to form a hexameric unit. Within the trimer, directly interacts with SEPT2 and SEPT7. Also interacts with SEPT9 and SEPT12. Interaction with SEPT12 alters filament structure. Component of a septin core octomeric complex consisting of SEPT12, SEPT7, SEPT6 and SEPT2 or SEPT4 in the order 12-7-6-2-2-6-7-12 or 12-7-6-4-4-6-7-12 and located in the sperm annulus. Interacts with SOCS7. Interacts with HCV NS5B and with HNRNPA1.
Similarity: Belongs to the TRAFAC class TrmE-Era-EngA-EngB-Septin-like GTPase superfamily. Septin GTPase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361478
NCBI GeneID	23157
NCBI Accession #	NP_055944.2
NCBI GenBank Nucleotide #	NM_015129.5
UniProt Accession #	Q14141; Q5JTK0; Q969W5; Q96A13; Q96GR1; Q96P86; Q96P87
Molecular Weight	Observed: 50 kD Predicted: 50 kDa
NCBI Official Full Name	septin-6 isoform B
NCBI Official Synonym Full Names	septin 6
NCBI Official Symbol	SEPT6
NCBI Official Synonym Symbols	SEP2; SEPT2
NCBI Protein Information	septin-6
UniProt Protein Name	Septin-6

UniProt Gene Name	SEPT6
UniProt Synonym Gene Names	KIAA0128; SEP2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sept6-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325109>