

Rabbit SEPT5 Polyclonal Antibody | anti-SEPT5 antibody

SEPT5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328157	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

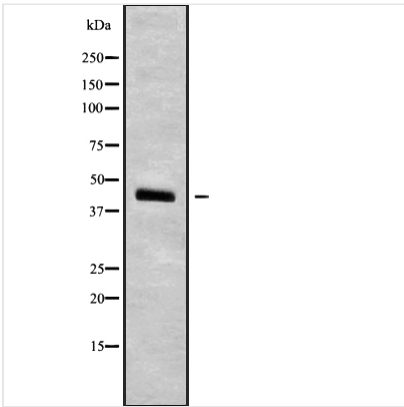
PRODUCT SYNONYMS

SEPT5; Polyclonal Antibody; SEPT5 Antibody; 5 Sep; CDCrel 1; CDCREL; CDCrel-1; CDCREL1; Cell division control related protein 1; Cell division control-related protein 1; H5; HCDCREL 1; OTTHUMP00000197271; OTTHUMP00000197272; OTTHUMP00000197273; OTTHUMP00000197274; OTTHUMP00000197275; OTTHUMP00000197276; OTTHUMP00000197396; OTTHUMP00000197410; Peanut like 1; Peanut like 1 homolog; Peanut like protein 1; Peanut-like protein 1; Platelet glycoprotein Ib beta chain; PNUTL1; SEPT5_HUMAN; Septin 5; Septin-5; anti-SEPT5 antibody

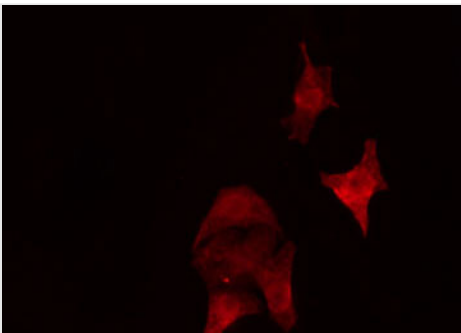
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEPT5 antibody detects endogenous levels of total SEPT5
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	346
Applicable Applications for anti-SEPT5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SEPT5
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton. In platelets, found in areas surrounding alpha-granules.
Tissue Specificity	Expressed at high levels in the CNS, as well as in heart and platelets (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Dog (100%), Chicken (91%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis SEPT5 using RAW264.7 whole cell lysates



IF (Immunofluorescence)
AAA328157 staining HepG2 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT5 antibody	Function: Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). May play a role in platelet secretion (By similarity). Subunit Structure: Septins polymerize into heterooligomeric protein complexes that form filaments, and can associate with cellular membranes, actin filaments and microtubules. GTPase activity is required for filament formation (By similarity). Interacts with SEPT2 and SEPT5. In platelets, associated with a complex containing STX4. Interacts with PRKN. This interaction leads to SEPT5 ubiquitination and degradation (By similarity). Post-translational Modifications: In platelets, phosphorylated in response to thrombin, phorbol-12-myristate-13-acetate and collagen. 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 #	58331274
NCBI GeneID	5413
NCBI Accession #	NP_001009939.1
NCBI GenBank Nucleotide #	NM_001009939.2
UniProt Accession #	Q99719; O15251; Q96MY5
Molecular Weight	Observed: 43 kDa Predicted: 43 kDa
NCBI Official Full Name	septin-5 isoform 2
NCBI Official Synonym Full Names	septin 5
NCBI Official Symbol	SEPT5
NCBI Official Synonym Symbols	H5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1
NCBI Protein Information	septin-5
UniProt Protein Name	Septin-5
UniProt Gene Name	SEPT5
UniProt Synonym Gene Names	PNUTL1; CDCrel-1

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/sept5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/328157>