

Rabbit anti-Human Septin 1 Polyclonal Antibody | anti-SEPT1 antibody

Septin 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322623	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

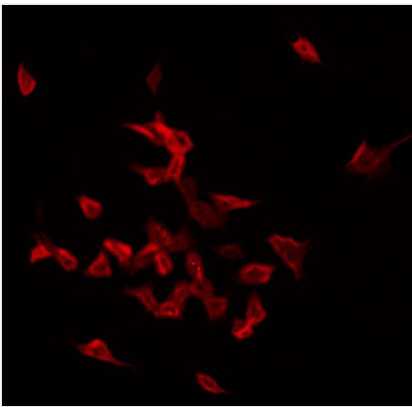
PRODUCT SYNONYMS

Septin 1; Polyclonal Antibody; Septin 1 Antibody; DIFF6; Differentiation 6 (deoxyguanosine triphosphate triphosphohydrolase); LARP; MGC20394; Peanut like protein 3; Peanut-like protein 3; PNU TL3; SEP1; SEPT1; SEPT1_HUMAN; Septin-1; Serologically defined breast cancer antigen NY BR 24; Serologically defined breast cancer antigen NY-BR-24; anti-SEPT1 antibody

PRODUCT SPECIFICATIONS

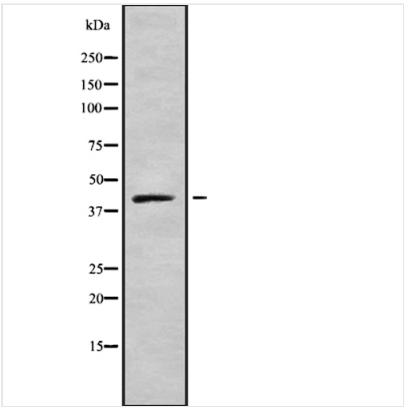
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Septin 1 antibody detects endogenous levels of total Septin 1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	414
Applicable Applications for anti-SEPT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Septin 1
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton. Cytoplasm > Cytoskeleton > Centrosome. Remains at the centrosomes and the nearby microtubules throughout mitosis. Localizes to the midbody during cytokinesis.
Tissue Specificity	Expressed at high levels in lymphoid and hematopoietic tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322623 staining Hela 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis Septin 1 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT1 antibody	Function: Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). 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 AURKB. 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 #	431822382
NCBI GeneID	1731
NCBI Accession #	NP_443070.5
NCBI GenBank Nucleotide #	NM_052838.4
UniProt Accession #	Q8WYJ6; Q658T1; Q8NEZ1; Q96EL4; Q9H285; B4DVE6
Molecular Weight	Observed: 41 kDa Predicted: 42 kDa
NCBI Official Full Name	septin-1
NCBI Official Synonym Full Names	septin 1
NCBI Official Symbol	SEPT1
NCBI Official Synonym Symbols	LARP; SEP1; DIFF6; PNUTL3
NCBI Protein Information	septin-1
UniProt Protein Name	Septin-1
UniProt Gene Name	SEPT1
UniProt Synonym Gene Names	DIFF6; PNUTL3

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.

