

Rabbit SEPT3 Polyclonal Antibody | anti-SEPT3 antibody

SEPT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324903	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

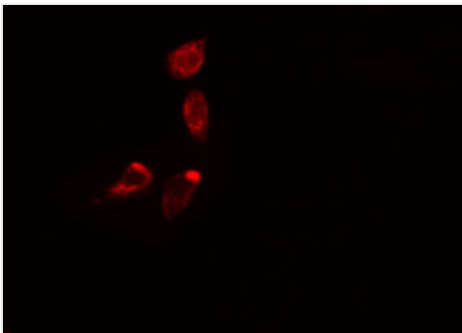
PRODUCT SYNONYMS

SEPT3; Polyclonal Antibody; SEPT3 Antibody; bK250D10.3; MGC133218; Neuronal specific septin 3; Neuronal-specific septin-3; OTTHUMP00000028742; SEP 3; SEP3; SEPT 3; sept3; SEPT3 protein; SEPT3_HUMAN; Septin3; anti-SEPT3 antibody

PRODUCT SPECIFICATIONS

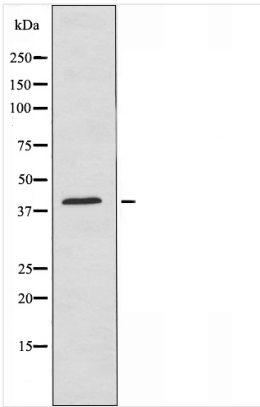
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEPT3 antibody detects endogenous levels of total 41520
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	350
Applicable Applications for anti-SEPT3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton. Cell Junction > Synapse.
Tissue Specificity	Brain-specific.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324903 staining 293 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 293 cells, using SEPT3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT3 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).
Post-translational Modifications: Phosphorylated by PKG on serine residues. Phosphorylated by PKG on Ser-91 (By similarity).
Similarity: Belongs to the TRAFAC class TrmE-Era-EngA-EngB-Septin-like GTPase superfamily. Septin GTPase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156602653
NCBI GeneID	55964
NCBI Accession #	NP_061979.3
NCBI GenBank Nucleotide #	NM_019106.5
UniProt Accession #	Q9UHQ3; Q2NKK7; Q59GF7; Q6IBZ6; Q8N3P3; Q9HD35; B1AHR0
Molecular Weight	Observed: 41 kD Predicted: 41 kDa
NCBI Official Full Name	neuronal-specific septin-3 isoform B
NCBI Official Synonym Full Names	septin 3
NCBI Official Symbol	SEPT3
NCBI Official Synonym Symbols	SEP3; bK250D10.3
NCBI Protein Information	neuronal-specific septin-3
UniProt Protein Name	Neuronal-specific septin-3
UniProt Gene Name	SEPT3
UniProt Synonym Gene Names	SEP3

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.

