

Rabbit anti-Human Septin 8 Polyclonal Antibody | anti-SEPT8 antibody

Septin 8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322624	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

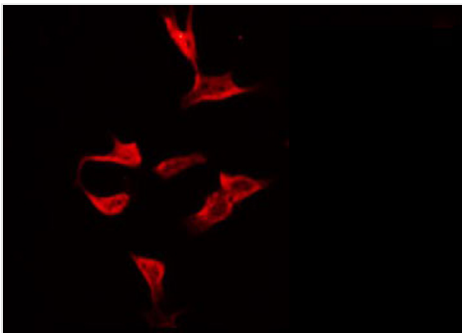
PRODUCT SYNONYMS

Septin 8; Polyclonal Antibody; Septin 8 Antibody; KIAA0202; OTTHUMP00000211755; SEP 2; SEP2; SEPT 8; SEPT8; Septin8; anti-SEPT8 antibody

PRODUCT SPECIFICATIONS

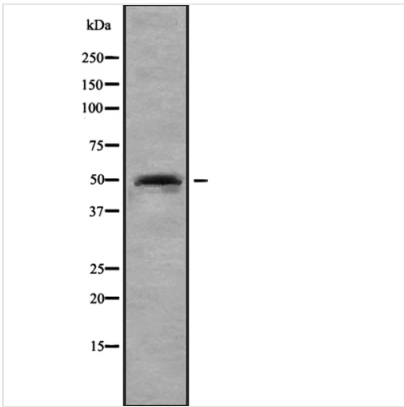
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Septin 8 antibody detects endogenous levels of total Septin 8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	483
Applicable Applications for anti-SEPT8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Septin 8
Subcellular Location	Cytoplasmic; Cytoskeleton.
Tissue Specificity	Widely expressed, including in brain, heart and platelets; most abundant in aorta. Isoform 2 is expressed at low levels in specific brain areas, such as occipital pole, frontal lobe, temporal lobe and putamen. Isoform 1 and 3 are highly expressed in specific brain areas, such as occipital pole, frontal lobe, temporal lobe and putamen. Isoform 2 is highly expressed in prostate, testis and ovary. Isoform 1 and isoform 3 are expressed at low levels in prostate, testis and ovary.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322624 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 8 using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT8 antibody

Function: Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). May play a role in platelet secretion.
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 CDK14, SEPT4, SEPT5 and SEPT7 (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 #	149363689
NCBI GeneID	23176
NCBI Accession #	NP_001092281.1
NCBI GenBank Nucleotide #	NM_001098811.1
UniProt Accession #	Q92599; Q8IX36; Q8IX37; Q9BVB3; A6NC65; A6NKP6; F6W7K9
Molecular Weight	Observed: 50 kDa Predicted: 56 kDa
NCBI Official Full Name	septin-8 isoform a
NCBI Official Synonym Full Names	septin 8
NCBI Official Symbol	SEPT8
NCBI Official Synonym Symbols	SEP2
NCBI Protein Information	septin-8
UniProt Protein Name	Septin-8
UniProt Gene Name	SEPT8
UniProt Synonym Gene Names	KIAA0202

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.