

SEPT8 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16836b**Specification**

SEPT8 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q92599](#)**SEPT8 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 23176

Other Names

Septin-8, SEPT8, KIAA0202

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SEPT8 Antibody (C-term) Blocking Peptide - Protein InformationName SEPTIN8 ([HGNC:16511](#))**Function**

Filament-forming cytoskeletal GTPase (By similarity). May play a role in platelet secretion (PubMed:15116257). Seems to participate in the process of SNARE complex formation in synaptic vesicles (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:B0BNF1}. Cytoplasm, cytoskeleton. Synapse {ECO:0000250|UniProtKB:B0BNF1}. Cell projection, axon {ECO:0000250|UniProtKB:B0BNF1}. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:B0BNF1}. Presynapse {ECO:0000250|UniProtKB:B0BNF1}. Note=Expressed in axons of immature neurons, localizes to synapses in mature neurons (By similarity). In platelets, found in areas surrounding alpha-granules (PubMed:15116257) {ECO:0000250|UniProtKB:B0BNF1, ECO:0000269|PubMed:15116257}

Tissue Location

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.

SEPT8 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SEPT8 Antibody (C-term) Blocking Peptide - Images

SEPT8 Antibody (C-term) Blocking Peptide - Background

SEPT8 is a member of the highly conserved septin family. Septins are 40- to 60-kD GTPases that assemble as filamentous scaffolds. They are involved in the organization of submembranous structures, in neuronal polarity, and in vesicle trafficking (Blaser et al., 2003 [PubMed 12909369]).

SEPT8 Antibody (C-term) Blocking Peptide - References

Souza, T.A., et al. Protein J. 29(5):328-335(2010) Ridruechai, C., et al. Genes Immun. 11(5):416-422(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Xin, X., et al. J. Histochem. Cytochem. 55(11):1089-1094(2007) Steels, J.D., et al. Cell Motil. Cytoskeleton 64(10):794-807(2007)