

Recombinant Anti-Septin 8 Rabbit mAb

Catalog # AP95137

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	Q92599
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	55756

Additional Information

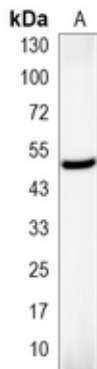
Gene ID	23176
Other Names	KIAA0202; Septin-8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Septin 8 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

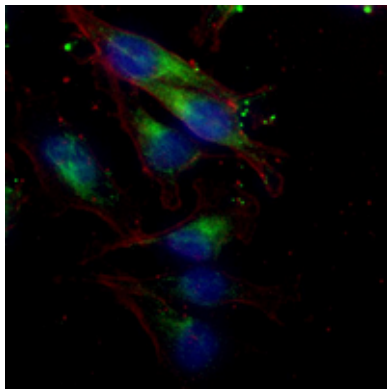
Name	SEPTIN8 (HGNC:16511)
Function	Filament-forming cytoskeletal GTPase (By similarity). May play a role in platelet secretion (PubMed: 15116257). Seems to participate in the process of SNARE complex formation in synaptic vesicles (By similarity).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:B0BNF1}. 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.

Images



Western blot analysis of Septin 8 expression in HeLa (A) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 52 kD)



Immunofluorescent analysis of Septin 8 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.