



Septin 8 Monoclonal Antibody

Catalog No	YP-mAb-04202
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	8-9
Immunogen	The antiserum was produced against synthesized peptide derived from human SEPT8. AA range:170-219
Specificity	Septin 8 Monoclonal Antibody detects endogenous levels of Septin 8 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SEPT8;Septin-8;SEPTIN8;SEP2;KIAA0202;Septin 8;45177
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton . Cell junction, synapse . Cell projection, axon . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane . Cell junction, synapse, presynapse . Expressed in axons of immature neurons, localizes to synapses in mature neurons (By similarity). In platelets, found in areas surrounding alpha-granules (PubMed:15116257). .
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.



Function

similarity:Belongs to the septin family.,subunit:Interacts with SEPT5.,tissue specificity:Expressed 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, whereas isoforms 1 and 3 are highly expressed in these areas. In prostate, testis and ovary, isoform 2 is highly expressed, while isoforms 1 and 3 found at low levels.,

Background

septin 8(SEPT8) Homo sapiens This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014],

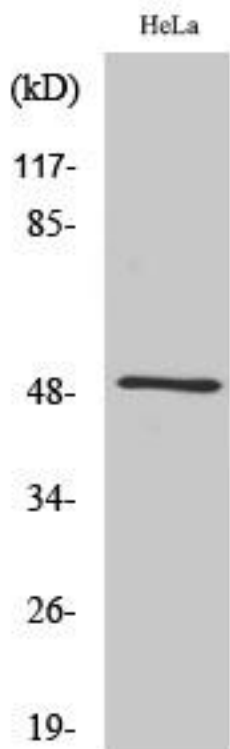
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Septin 8 Monoclonal Antibody