



Rabbit Anti-Septin 8 antibody

SL6907R

Product Name:	Septin 8
Chinese Name:	Cell differentiation蛋白SEPT8抗体
Alias:	Nkrf; RCG53214, isoform CRA_d; SEP2; SEP 2; SEP2; SEPT 8; SEPT8; SEPT-8; Septin8; Septin 8; Septin-8; SEPT8 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEPT8:131-230/483
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Jun 2012].

Function:

Filament-forming cytoskeletal GTPase. May play a role in cytokinesis (Potential). May play a role in platelet secretion.

Subunit:

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. Interacts with CDK14, SEPT4, SEPT5 and SEPT7.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton. Note=In platelets, found in areas surrounding alpha-granules.

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.

Similarity:

Belongs to the septin family.

SWISS:

Q92599

Gene ID:

23176

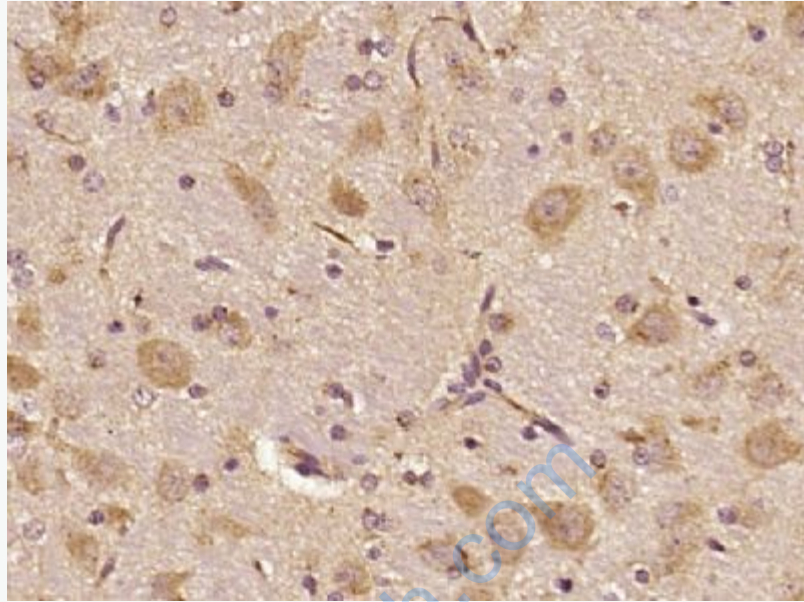
Database links:

UniProtKB/Swiss-Prot: Q92599.4

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SEPTIN(SEPT)家族是Cytoskeleton蛋白的一种, 具有GTPase的活性。经研究发现, SEPT参与细胞的分裂、The cell membrane的运输以及构成Cytoskeleton。



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Septin 8) Polyclonal Antibody, Unconjugated (SL6907R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.