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# Septin 8 Antibody

Rabbit mAb
Catalog # AP93018

## Product Information

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|---|---|
| **Application** | WB, IHC, IF, FC, ICC, IP, IHF |
| **Primary Accession** | Q92599 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | SEP2; SEPT8; Septin8; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 55756 |

## Additional Information

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|---|---|
| **Dilution** | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human Septin 8 |
| **Description** | Septin 8 (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. There are 3 isoforms produced by alternative splicing. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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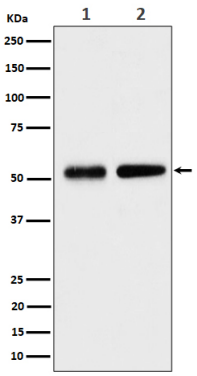
|---|---|
| **Name** | SEPTIN8 ( HGNC:16511) |
| **Function** | Filament-forming cytoskeletal GTPase (By similarity). May play a role in platelet secretion (PubMed:15116257). Seems to participate in the process of SNARE complex formation in synaptic vesicles (By similarity). |
| **Cellular Location** | 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 (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.