

## Rabbit Septin 1 Polyclonal Antibody | anti-Septin1 antibody

Septin 1 Rabbit pAb

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA281794 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Septin 1; Polyclonal Antibody; Septin 1 Rabbit pAb; DIFF6; LARP; PNUTL3; SEP1; SEPT1; anti-Septin1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                 |
| Reactivity                                        | Human, Mouse, Rat                                                                                                      |
| Clonality                                         | Polyclonal                                                                                                             |
| Isotype                                           | IgG                                                                                                                    |
| Purity/Purification                               | Affinity purification                                                                                                  |
| Form/Format                                       | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                      |
| Sequence                                          | IPFAVVGSC E VVRDGGNRPV RGRYSWGTV EVENPHCDF LNLRRMLVQT HLQDLKEVTH DLLYEGYRAR CLQSLARPGA RDRASRSKLS RQSATEIPLP M         |
| Applicable Applications for anti-Septin1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                 |
| Immunogen                                         | Recombinant fusion protein containing a sequence corresponding to amino acids 270-370 of human Septin 1 (NP_443070.5). |
| Positive Samples                                  | K562, mouse liver, mouse ovary, rat liver                                                                              |
| Preparation and Storage                           | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                       |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using Septin 1 antibody at dilution of 1:100 (40x lens).



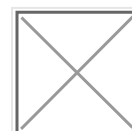
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human appendix using Septin 1 antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using Septin 1 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Septin 1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Septin1 antibody | Background: This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis and the maintenance of cellular morphology. This gene encodes a protein that can form homo- and heterooligomeric filaments, and may contribute to the formation of neurofibrillary tangles in Alzheimer's disease. Alternatively spliced transcript variants have been found but the full-length nature of these variants has not been determined. [provided by RefSeq, Dec 2012] |
| Product Categories/Family for anti-Septin1 antibody   | Cancer; Tumor immunology; Tumor-associated antigens; Research; Neuroscience; Neurodegenerative Diseases ; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 431822382                                                                                                                                                  |
| NCBI GeneID                      | 1731                                                                                                                                                       |
| NCBI Accession #                 | NP_443070.5                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_052838.4                                                                                                                                                |
| UniProt Accession #              | Q8WYJ6; Q658T1; Q8NEZ1; Q96EL4; Q9H285; B4DVE6                                                                                                             |
| Molecular Weight                 | 41,971 Da                                                                                                                                                  |
| NCBI Official Full Name          | septin-1                                                                                                                                                   |
| NCBI Official Synonym Full Names | septin 1                                                                                                                                                   |
| NCBI Official Symbol             | SEPT1                                                                                                                                                      |
| NCBI Official Synonym Symbols    | LARP; SEP1; DIFF6; PNUTL3                                                                                                                                  |
| NCBI Protein Information         | septin-1; peanut-like protein 3; serologically defined breast cancer antigen NY-BR-24; differentiation 6 (deoxyguanosine triphosphate triphosphohydrolase) |
| UniProt Protein Name             | Septin-1                                                                                                                                                   |
| UniProt Gene Name                | SEPT1                                                                                                                                                      |
| UniProt Synonym Gene Names       | DIFF6; PNUTL3                                                                                                                                              |
| UniProt Entry Name               | SEPT1_HUMAN                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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