

## Rabbit SEPT5 Polyclonal Antibody | anti-SEPT5 antibody

SEPT5 Polyclonal Antibody

|                               |                       |                                                                                                           |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA280952</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

SEPT5; Polyclonal Antibody; SEPT5 Polyclonal Antibody; H5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1; Septin 5; anti-SEPT5 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                           |
| Isotype                                         | IgG                                                                                                                  |
| Purity/Purification                             | Affinity Purification                                                                                                |
| Form/Format                                     | PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.                                                                     |
| Sequence Length                                 | 369                                                                                                                  |
| Applicable Applications for anti-SEPT5 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 1-369 of human Septin 5 (NP_002679.2). |
| Cross-Reactivity                                | Human, Mouse, Rat                                                                                                    |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                     |

### IMAGES



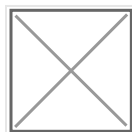
#### IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using Septin 5 Rabbit pAb at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



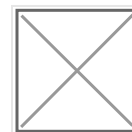
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded mouse brain using Septin 5 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded rat brain using Septin 5 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



#### WB (Western Blot)

Western blot analysis of various lysates, using Septin 5 Rabbit pAb at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SEPT5 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SEPT5 antibody | This gene is a member of the septin gene 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. This gene is mapped to 22q11, the region frequently deleted in DiGeorge and velocardiofacial syndromes. A translocation involving the MLL gene and this gene has also been reported in patients with acute myeloid leukemia. Alternative splicing results in multiple transcript variants. The presence of a non-consensus polyA signal (ACAAT) in this gene also results in read-through transcription into the downstream neighboring gene (GP1BB; platelet glycoprotein Ib), whereby larger, non-coding transcripts are produced. |
| Product Categories/Family for anti-SEPT5 antibody   | Primary antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 6685760                                          |
| NCBI GeneID                      | 5413                                             |
| UniProt Accession #              | Q99719; O15251; Q96MY5                           |
| Molecular Weight                 | 43kDa                                            |
| NCBI Official Full Name          | Septin-5                                         |
| NCBI Official Synonym Full Names | septin 5                                         |
| NCBI Official Symbol             | SEPT5                                            |
| NCBI Official Synonym Symbols    | H5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1 |
| NCBI Protein Information         | septin-5                                         |
| UniProt Protein Name             | Septin-5                                         |
| UniProt Gene Name                | SEPT5                                            |
| UniProt Synonym Gene Names       | PNUTL1; CDCrel-1                                 |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sept5-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/280952>