

## Rabbit SHANK3 Polyclonal Antibody | anti-SHANK3 antibody

SHANK3 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA179286</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

SHANK3; Polyclonal Antibody; SHANK3 Polyclonal Antibody; PSAP2; SCZD15; PROSAP2; SPANK-2; DEL22q13.3; anti-SHANK3 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                           |
|--------------------------------------------------|-----------------------------------------------------------|
| Host                                             | Rabbit                                                    |
| Reactivity                                       | Human, Mouse, Rat                                         |
| Clonality                                        | Polyclonal                                                |
| Isotype                                          | IgG                                                       |
| Purity/Purification                              | Affinity purification                                     |
| Form/Format                                      | PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.          |
| Concentration                                    | 1mg/mL (varies by lot)                                    |
| Applicable Applications for anti-SHANK3 antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                        | Recombinant fusion protein of human SHANK3                |
| Preparation and Storage                          | Storage: -20 degree C/One year. Avoid freeze/thaw cycles. |

### IMAGES



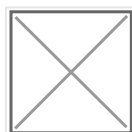
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using SHANK3 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain using SHANK3 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### WB (Western Blot)

Western blot analysis of extracts of Mouse brain using SHANK3 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SHANK3 antibody | This gene is member of the Shank gene family. Shank proteins are multidomain scaffold proteins of the postsynaptic density that connect neurotransmitter receptors, ion channels, and other membrane proteins to the actin cytoskeleton and G-protein-coupled signaling pathways. Shank proteins also play a role in synapse formation and dendritic spine maturation. Mutations in this gene are a cause of autism spectrum disorder (ASD), which is characterized by impairments in social interaction and communication, and restricted behavioral patterns and interests. Mutations in this gene also cause schizophrenia type 15, and are a major causative factor in the neurological symptoms of 22q13.3 deletion syndrome, which is also known as Phelan-McDermid syndrome. Additional isoforms have been described for this gene but they have not yet been experimentally verified. |
| Product Categories/Family for anti-SHANK3 antibody   | <a href="#">Antibodies</a> ; <a href="#">Primary Antibodies</a> ; <a href="#">Polyclonal Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 122937241                                         |
| NCBI GeneID                      | 85358                                             |
| NCBI Accession #                 | NP_001073889                                      |
| NCBI GenBank Nucleotide #        | NM_001080420.1                                    |
| UniProt Accession #              | Q9BYB0; Q8TET3; D7UT47                            |
| Molecular Weight                 | 171,151 Da                                        |
| NCBI Official Synonym Full Names | SH3 and multiple ankyrin repeat domains 3         |
| NCBI Official Symbol             | SHANK3                                            |
| NCBI Official Synonym Symbols    | PSAP2; SCZD15; PROSAP2; SPANK-2; DEL22q13.3       |
| NCBI Protein Information         | SH3 and multiple ankyrin repeat domains protein 3 |
| UniProt Protein Name             | SH3 and multiple ankyrin repeat domains protein 3 |
| UniProt Gene Name                | <b>SHANK3</b>                                     |
| UniProt Synonym Gene Names       | KIAA1650; PROSAP2; PSAP2; Shank3; ProSAP2         |
| UniProt Entry Name               | SHAN3_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/shank3-antibody-immunohistochemistry-western-blot-elisa/179286>