

# SAPAP3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54451

## Product Information

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| <b>Application</b>             | WB, IHC-P, IHC-F, IF, ICC, E   |
| <b>Primary Accession</b>       | <a href="#">O95886</a>   |
| <b>Reactivity</b>              | Rat, Dog, Bovine   |
| <b>Host</b>                    | Rabbit   |
| <b>Clonality</b>               | Polyclonal   |
| <b>Calculated MW</b>           | 106040   |
| <b>Physical State</b>          | Liquid   |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human SAPAP3   |
| <b>Epitope Specificity</b>     | 201-300/979  |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | affinity purified by Protein A   |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  |
| <b>SUBCELLULAR LOCATION</b>    | Cell membrane; Peripheral membrane protein. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell junction, synapse. Note=Postsynaptic density of neuronal cells.   |
| <b>SIMILARITY</b>              | Belongs to the SAPAP family.   |
| <b>SUBUNIT</b>                 | Interacts with DLG4/PSD-95.  |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.  |
| <b>Background Descriptions</b> | Members of the postsynaptic density-95 (PSD-95)/SAP90 family of membrane-associated guanylate kinase (MAGUK) proteins function as multimodular scaffolds that organize protein-signaling complexes at neuronal synapses. SAPAP3 (PSD-95/SAP90-binding protein 3), also known as DLGAP3 (disks large-associated protein 3) or DAP3, is a 979 amino acid protein that belongs to the SAPAP family of PSD-95/SAP90-associated proteins. Localized to the cell junction, as well as to the peripheral membrane and the cell synapse, SAPAP3 is thought to play a role in the organization of neuronal cell signaling and synapses, and may also function as an adaptor protein, possibly linking ion channels with the cytoskeleton. |

## Additional Information

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| <b>Gene ID</b>     | 58512  |
| <b>Other Names</b> | Disks large-associated protein 3, DAP-3, PSD-95/SAP90-binding protein 3, SAP90/PSD-95-associated protein 3, SAPAP3, DLGAP3, DAP3 |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                      |
| <b>Format</b>      | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce   |

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| <b>Storage</b> | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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. |
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## Protein Information

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| <b>Name</b>              | DLGAP3   |
| <b>Synonyms</b>          | DAP3   |
| <b>Function</b>          | May play a role in the molecular organization of synapses and neuronal cell signaling. Could be an adapter protein linking ion channel to the subsynaptic cytoskeleton. May induce enrichment of PSD- 95/SAP90 at the plasma membrane. |
| <b>Cellular Location</b> | Cell membrane; Peripheral membrane protein. Postsynaptic density. Synapse.<br>Note=Postsynaptic density of neuronal cells  |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.