

## Rabbit anti-Human SPPL3 Polyclonal Antibody | anti-SPPL3 antibody

SPPL3 Antibody, FITC conjugated

|                               |                       |                            |                              |
|-------------------------------|-----------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA232993</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

SPPL3; Polyclonal Antibody; SPPL3 Antibody; FITC conjugated; Signal peptide peptidase-like 3 (SPP-like 3) (EC 3.4.23.-) (Intramembrane protease 2) (IMP-2) (Presenilin homologous protein 1) (PSH1) (Presenilin-like protein 4); IMP2 PSL4; anti-SPPL3 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                            |
|-------------------------------------------------|--------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                     |
| Reactivity                                      | Human                                                                                      |
| Clonality                                       | Polyclonal                                                                                 |
| Isotype                                         | IgG                                                                                        |
| Purity/Purification                             | >95%, Protein G purified                                                                   |
| Form/Format                                     | Liquid                                                                                     |
| Sequence Length                                 | 384                                                                                        |
| Applicable Applications for anti-SPPL3 antibody | ELISA                                                                                      |
| Immunogen                                       | Recombinant Human Signal peptide peptidase-like 3 protein (213-263AA)                      |
| Immunogen Species                               | Homo Sapiens (Human)                                                                       |
| Research Area                                   | Cell Biology                                                                               |
| Target Names                                    | SPPL3                                                                                      |
| Storage Buffer                                  | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4           |
| Conjugation                                     | FITC                                                                                       |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-161228 / sc-161229 |
| Preparation and Storage                         | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze/thaw cycles.                  |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-SPPL3 antibody | Intramembrane-cleaving aspartic protease (I-CLiP) that cleaves type II membrane protein substrates in or close to their luminal transmembrane domain boundaries (PubMed: 16873890, PubMed: 25354954, PubMed: 25827571). Acts like a sheddase by mediating the proteolytic release and secretion of active site-containing ectodomains of glycan-modifying glycosidase and glycosyltransferase enzymes such as MGAT5, B4GAT1 and B4GALT1 (PubMed: 25354954, PubMed: 25827571). Catalyzes the intramembrane cleavage of the envelope glycoprotein gp130 and/or the leader peptide gp18LP of the simian foamy virus independent of prior ectodomain shedding by furin or furin-like proprotein convertase (PC)-mediated cleavage proteolysis (PubMed: 23132852). May also have the ability to serve as a shedding protease for subsequent intramembrane proteolysis by SPPL2A and SPPL2B of the envelope glycoprotein gp130 (PubMed: 23132852). Plays a role in the regulation of cellular glycosylation processes (PubMed: 25354954). Required to link T-cell antigen receptor (TCR) and calcineurin-NFAT signaling cascades in lymphocytes by promoting the association of STIM1 and ORAI1 during store-operated calcium entry (SOCE) in a protease-independent manner (PubMed: 25384971). |
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NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 33413418                            |
| NCBI GeneID                      | 121665                              |
| NCBI Accession #                 | NP_620584.2                         |
| NCBI GenBank Nucleotide #        | NM_139015.4                         |
| UniProt Accession #              | Q8TCT6; Q3MJ04; Q8TAU4; Q96DD9      |
| NCBI Official Full Name          | signal peptide peptidase-like 3     |
| NCBI Official Synonym Full Names | signal peptide peptidase like 3     |
| NCBI Official Symbol             | SPPL3                               |
| NCBI Official Synonym Symbols    | IMP2; PSH1; PSL4; PRO4332; MDHV1887 |
| NCBI Protein Information         | signal peptide peptidase-like 3     |
| UniProt Protein Name             | Signal peptide peptidase-like 3     |
| UniProt Gene Name                | <b>SPPL3</b>                        |
| UniProt Synonym Gene Names       | PSH1                                |
| UniProt Entry Name               | SPPL3_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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