

# Recombinant Anti-PTDSS2 Rabbit mAb

Catalog # AP95393

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, FC, IP             |
| Primary Accession | <a href="#">Q9BVG9</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Monoclonal             |
| Calculated MW     | 56253                  |

## Additional Information

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|--------------------|------------------------------------------------------------------------------------------|
| Gene ID            | 81490                                                                                    |
| Other Names        | PSS2; Phosphatidylserine synthase 2; PSS-2; PtdSer synthase 2; Serine-exchange enzyme II |
| Target/Specificity | Recombinant fusion protein of human PTDSS2. The exact sequence is proprietary.           |
| Dilution           | WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A                                              |
| Format             | Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.                    |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                |

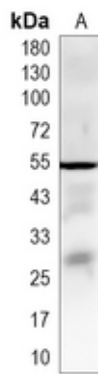
## Protein Information

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | PTDSS2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Synonyms          | PSS2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Function          | Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine (PubMed: <a href="#">19014349</a> ). Catalyzes the conversion of phosphatidylethanolamine and does not act on phosphatidylcholine (PubMed: <a href="#">19014349</a> ). Can utilize both phosphatidylethanolamine (PE) plasmalogen and diacyl PE as substrate and the latter is six times better utilized, indicating the importance of an ester linkage at the sn-1 position (By similarity). Although it shows no sn-1 fatty acyl preference, exhibits significant preference towards docosahexaenoic acid (22:6n-3) compared with 18:1 or 20:4 at the sn-2 position (By similarity). |
| Cellular Location | Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q9Z1X2}; Multi-pass membrane protein. Note=Highly enriched in the mitochondria-associated membrane (MAM).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Images

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Western blot analysis of PTDSS2 expression in K562 (A) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 54 kD)

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