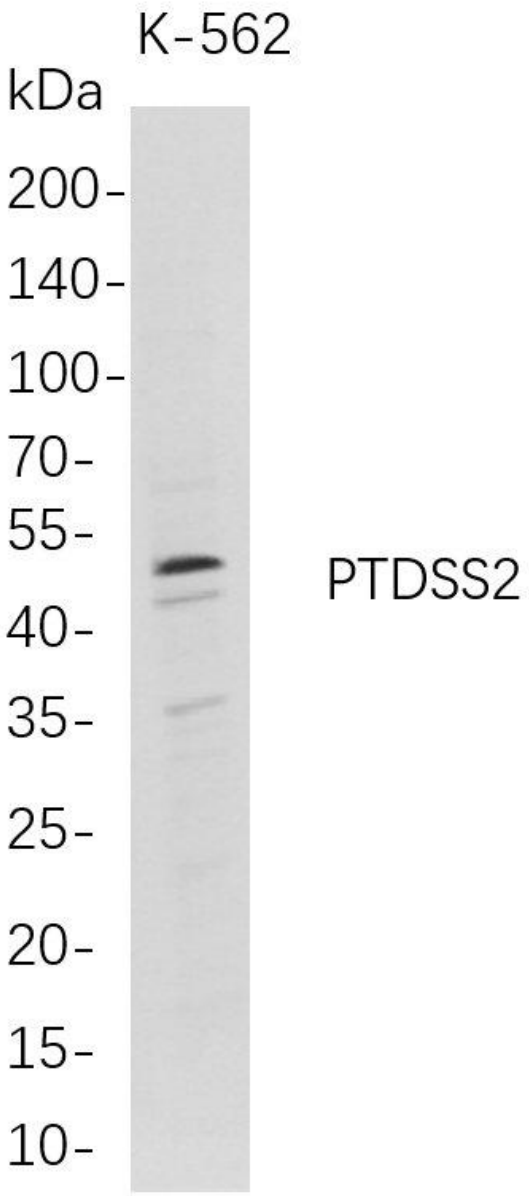
PTDSS2 Rabbit mAb

Catalog No	YP-rAb-17684
Isotype	IgG
Reactivity	Human
Applications	WB,FC,IP
Gene Name	PTDSS2;PSS2
Protein Name	Phosphatidylserine synthase 2;PSS-2;PtdSer synthase 2;Serine-exchange enzyme II;
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-5000; FC 1:100-300; IP 1:50-100
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	PTDSS2 ; PSS2 ; Phosphatidylserine synthase 2 ; PSS-2 ; PtdSer synthase 2 ; Serine-exchange enzyme II ;
Observed Band	54kD
Calculated Molecular Weight	
Cell Pathway	Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Highly enriched in the mitochondria-associated membrane (MAM)..
Tissue Specificity	
Function	Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine (PubMed:19014349). Catalyzes the conversion of phosphatatidylethanolamine and does not act on phosphatidylcholine (PubMed:19014349). 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). {ECO:0000250|UniProtKB:Q9Z1X2, ECO:0000269|PubMed:19014349}.

Background	The protein encoded by this gene catalyzes the conversion of phosphatidylethanolamine to phosphatidylserine, a structural membrane phospholipid that functions in cell signaling, blood coagulation, and apoptosis. The encoded enzyme also has a high affinity for docosahexaenoic acid (DHA) and can use it to make DHA-containing phosphatidylserine. [provided by RefSeq, Jul 2016]
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Western Blot analysis of K-562 whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PTDSS2 rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.