

Rabbit PTDSS1 Polyclonal Antibody | anti-PTDSS1 antibody

PTDSS1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286049	Rabbit	Human (Predicted Reactivity: Bovine, Hamster, Mouse, Rat)	ELISA, Western Blot

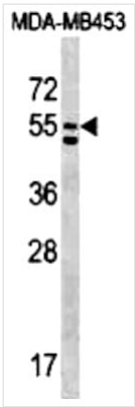
PRODUCT SYNONYMS

PTDSS1; Polyclonal Antibody; PTDSS1 Antibody (C-term); Phosphatidylserine synthase 1; PSS-1; PtdSer synthase 1; Serine-exchange enzyme I; KIAA0024; PSSA; anti-PTDSS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This PTDSS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 390-418 amino acids from the C-terminal region of human PTDSS1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	390-418
Sequence Length	473
Applicable Applications for anti-PTDSS1 antibody	ELISA, WB (Western Blot)
Function	Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine. In membranes, PTDSS1 catalyzes mainly the conversion of phosphatidylcholine. Also converts, in vitro and to a lesser extent, phosphatidylethanolamine.
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein Note=Highly enriched in the mitochondria-associated membrane (MAM).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
PTDSS1 Antibody (C-term) (AAA286049) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the PTDSS1 antibody detected the PTDSS1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PTDSS1 antibody	Phosphatidylserine (PS) accounts for 5 to 10% of cell membrane phospholipids. In addition to its role as a structural component, PS is involved in cell signaling, blood coagulation, and apoptosis. PS is synthesized by a calcium-dependent base-exchange reaction catalyzed by PS synthases (EC 2.7.8.8), like PTDSS1, that exchange L-serine for the polar head group of phosphatidylcholine (PC) or phosphatidylethanolamine (PE) (Sturbois-Balcerzak et al., 2001 [PubMed 11084049]).
Product Categories/Family for anti-PTDSS1 antibody	Signal Transduction
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Tomohiro, S., et al. Biochem. J. 418(2):421-429(2009) Olsen, J.V., et al. Cell 127(3):635-648(2006) Sturbois-Balcerzak, B., et al. J. Biol. Chem. 276(11):8205-8212(2001) Stone, S.J., et al. J. Biol. Chem. 275(44):34534-34540(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662647
NCBI GeneID	9791
NCBI Accession #	NP_055569.1
NCBI GenBank Nucleotide #	NM_014754.2
UniProt Accession #	P48651; Q9BUQ5; B4DE85; E5RFC5
Molecular Weight	55528
NCBI Official Full Name	phosphatidylserine synthase 1 isoform 1
NCBI Official Synonym Full Names	phosphatidylserine synthase 1
NCBI Official Symbol	PTDSS1
NCBI Official Synonym Symbols	LMHD; PSS1; PSSA
NCBI Protein Information	phosphatidylserine synthase 1
UniProt Protein Name	Phosphatidylserine synthase 1
UniProt Gene Name	PTDSS1

UniProt Synonym Gene Names	KIAA0024; PSSA; PSS-1; PtdSer synthase 1
UniProt Entry Name	PTSS1_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://www.aaabiotech.com/polyclonal/ptdss1-antibody-western-blot-elisa/286049>