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PSS2 Rabbit mAb

Catalog # AP75972

Product Information

Application	WB, IP
Primary Accession	Q9BVG9
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	56253

Additional Information

Gene ID	81490
Other Names	PTDSS2
Dilution	WB~~1:1000-1:5000 IP~~1:20-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

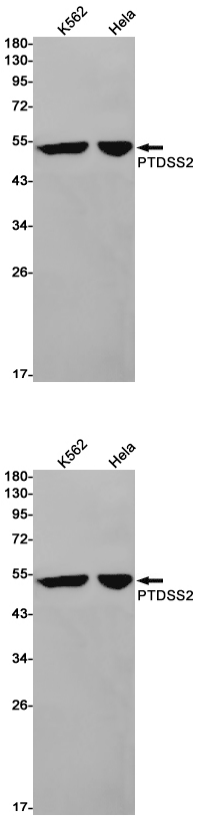
Name	PTDSS2
Synonyms	PSS2
Function	Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) is replaced by L-serine to form phosphatidylserine (PubMed:19014349). Lacks phosphatidylcholine-dependent base-exchange activity (PubMed:19014349). Can utilize both phosphatidylethanolamine (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).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9Z1X2}; Multi-pass membrane protein. Note=Highly enriched in the mitochondria-associated membrane (MAM).

{ECO:0000250|UniProtKB:Q9Z1X2}

Background

Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine. PTDSS2 is specific for phosphatatidylethanolamine and does not act on phosphatidylcholine.

Images



Western blot analysis of PTDSS2 in K562, Hela lysates using PSS2 antibody.

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