



Anti-PTDSS2 monoclonal antibody (DCABH-13098)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 PTDSS2, that exchange L-serine for the polar head group of phosphatidylcholine (PC) or phosphatidylethanolamine (PE) (Sturbois-Balcerzak et al., 2001 [PubMed 11084049]).
Immunogen	A synthetic peptide of human PTDSS2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTDSS2 phosphatidylserine synthase 2 [Homo sapiens]
Official Symbol	PTDSS2
Synonyms	PTDSS2; phosphatidylserine synthase 2; PSS2; PSS-2; ptdSer synthase 2; serine-exchange enzyme II; FLJ46373;
Entrez Gene ID	81490
Protein Refseq	NP_110410
UniProt ID	A0A024RC97
Chromosome Location	11p15
Pathway	Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; phosphatidylethanolamine biosynthesis III, organism-specific biosystem; phosphatidylethanolamine biosynthesis III, conserved biosystem;
Function	CDP-diacylglycerol-serine O-phosphatidyltransferase activity; transferase activity;