

For Research Use Only

PTDSS1 Recombinant antibody, PBS Only

Catalog Number: 83421-1-PBS



Basic Information

Catalog Number:	83421-1-PBS	GenBank Accession Number:	BC002376	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	9791	CloneNo.:	240007G3
Source:	Rabbit	UNIPROT ID:	P48651		
Isotype:	IgG	Full Name:	phosphatidylserine synthase 1		
Immunogen Catalog Number:	AG14170	Calculated MW:	473 aa, 56 kDa		

Applications

Tested Applications:
IF/ICC, FC (Intra), ELISA

Species Specificity:
human

Background Information

Phosphatidylserine Synthase-1 (PTDSS1 or PSS1) is one of two enzymes involved in the production of phosphatidylserine (PS), which is a quantitatively minor, but physiologically important phospholipid in mammalian cells (PMID: 24241535). Mice lacking either Ptdss1 or Ptdss2 are viable, phenotypically normal and fertile, indicating that, in mice, PSS1 and PSS2 can compensate for each other (PMID: 18343815).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

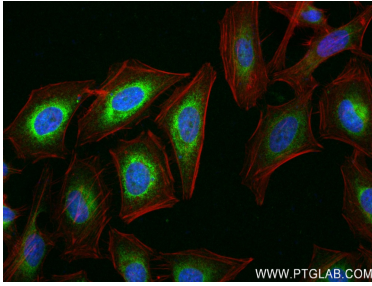
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E: Proteintech-CN@ptglab.com

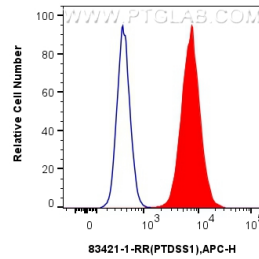
W: ptgcn.com

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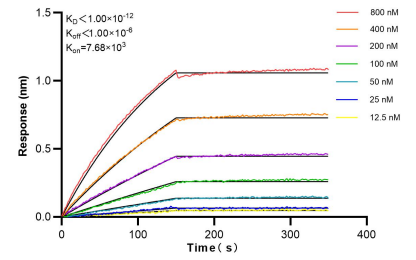
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PTDSS1 antibody (83421-1-RR, Clone: 240007G3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83421-1-PBS in a different storage buffer formulation.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug PTDSS1 Recombinant antibody (83421-1-RR, Clone:240007G3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83421-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83421-1-RR against Human PTDSS1 were performed. The affinity constant is below 1 pM.