

PLSCR3 Antibody
Rabbit mAb
Catalog # AP92917**Specification**

PLSCR3 Antibody - Product Information

Application	WB
Primary Accession	Q9NRY6
Reactivity	Rat
Clonality	Monoclonal
Other Names	
PLS3; Plscr3;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	31648 Da

PLSCR3 Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PLSCR3
Description	May mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions that results in a loss of phospholipid asymmetry in the plasma membrane. May play a central role in the initiation of fibrin clot formation, in the activation of mast cells and in the recognition of apoptotic and injured cells by the reticuloendothelial system.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

PLSCR3 Antibody - Protein Information**Name** PLSCR3**Function**

Catalyzes calcium-induced ATP-independent rapid bidirectional and non-specific movement of the phospholipids (lipid scrambling or lipid flip-flop) between the inner and outer membrane of the mitochondria (PubMed:14573790, PubMed:17226776, PubMed:18358005)

target="_blank">18358005, PubMed:29337693, PubMed:31769662). Plays an important role in mitochondrial respiratory function, morphology, and apoptotic response (PubMed:12649167, PubMed:14573790, PubMed:17226776, PubMed:18358005). Mediates the translocation of cardiolipin from the mitochondrial inner membrane to outer membrane enhancing t-Bid induced cytochrome c release and apoptosis (PubMed:14573790, PubMed:17226776, PubMed:18358005). Enhances TNFSF10-induced apoptosis by regulating the distribution of cardiolipin in the mitochondrial membrane resulting in increased release of apoptogenic factors and consequent amplification of the activity of caspases (PubMed:18491232). Regulates cardiolipin de novo biosynthesis and its resynthesis (PubMed:16939411).

Cellular Location

Mitochondrion membrane; Single-pass type II membrane protein

{ECO:0000250|UniProtKB:Q6QBQ4}. Mitochondrion inner membrane

{ECO:0000250|UniProtKB:Q6QBQ4}; Single-pass type II membrane protein

{ECO:0000250|UniProtKB:Q6QBQ4}. Nucleus {ECO:0000250|UniProtKB:Q9JIZ9}

Note=Palmitoylation regulates its localization to the cell membrane or the nucleus; trafficking to the cell membrane is dependent upon palmitoylation whereas in the absence of palmitoylation, localizes to the nucleus. {ECO:0000250|UniProtKB:Q9JIZ9}

Tissue Location

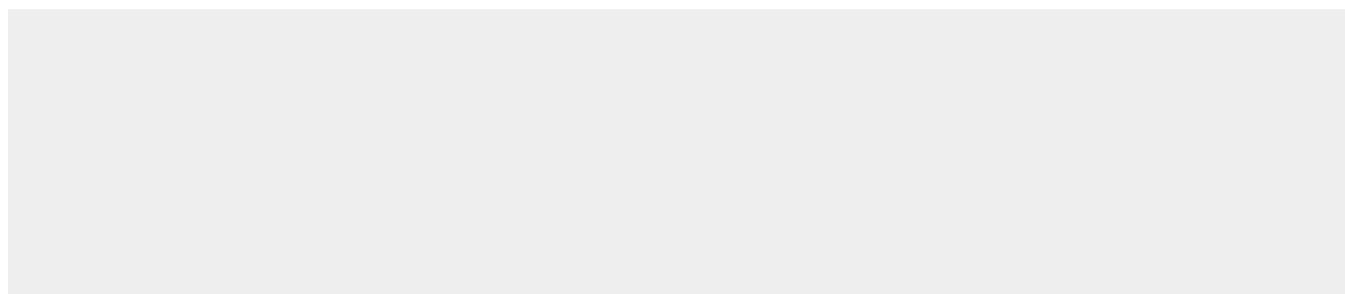
Expressed in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, uterus, small intestine and peripheral blood lymphocytes. Not detected in testis, brain and liver

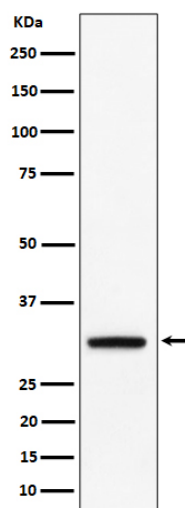
PLSCR3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLSCR3 Antibody - Images





Western blot analysis of PLSCR3 expression in BxPC 3 cell lysate.