

PLSCR3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58592**Specification**

PLSCR3 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NRY6
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31648

PLSCR3 Polyclonal Antibody - Additional Information**Gene ID** 57048**Other Names**

Phospholipid scramblase 3, PL scramblase 3, Ca(2+)-dependent phospholipid scramblase 3, PLSCR3

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PLSCR3 Polyclonal 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](http://www.uniprot.org/citations/14573790), PubMed: [17226776](http://www.uniprot.org/citations/17226776), PubMed: [18358005](http://www.uniprot.org/citations/18358005), PubMed: [29337693](http://www.uniprot.org/citations/29337693), PubMed: [31769662](http://www.uniprot.org/citations/31769662)). Plays an important role in mitochondrial respiratory function, morphology, and apoptotic response (PubMed: [14573790](http://www.uniprot.org/citations/14573790), PubMed: [17226776](http://www.uniprot.org/citations/17226776), PubMed: [18358005](http://www.uniprot.org/citations/18358005), PubMed: [12649167](http://www.uniprot.org/citations/12649167)). Mediates the translocation of cardiolipin from the mitochondrial inner membrane to outer membrane enhancing t-Bid induced cytochrome c release and apoptosis (PubMed: [14573790](http://www.uniprot.org/citations/14573790), PubMed: [17226776](http://www.uniprot.org/citations/17226776), PubMed: [18358005](http://www.uniprot.org/citations/18358005), PubMed: [12649167](http://www.uniprot.org/citations/12649167)).

href="http://www.uniprot.org/citations/14573790" target="_blank">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 Polyclonal 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 Polyclonal Antibody - Images