

**PLSCR3 Rabbit mAb**  
**Catalog # AP75928****Specification**

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**PLSCR3 Rabbit mAb - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q9NRY6</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Calculated MW     | 31648                  |

**PLSCR3 Rabbit mAb - Additional Information****Gene ID** 57048**Other Names**  
PLSCR3**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**PLSCR3 Rabbit mAb - 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:<a href="http://www.uniprot.org/citations/14573790" target="\_blank">14573790</a>, PubMed:<a href="http://www.uniprot.org/citations/17226776" target="\_blank">17226776</a>, PubMed:<a href="http://www.uniprot.org/citations/18358005" target="\_blank">18358005</a>, PubMed:<a href="http://www.uniprot.org/citations/29337693" target="\_blank">29337693</a>, PubMed:<a href="http://www.uniprot.org/citations/31769662" target="\_blank">31769662</a>). Plays an important role in mitochondrial respiratory function, morphology, and apoptotic response (PubMed:<a href="http://www.uniprot.org/citations/12649167" target="\_blank">12649167</a>, PubMed:<a href="http://www.uniprot.org/citations/14573790" target="\_blank">14573790</a>, PubMed:<a href="http://www.uniprot.org/citations/17226776" target="\_blank">17226776</a>, PubMed:<a href="http://www.uniprot.org/citations/18358005" target="\_blank">18358005</a>). Mediates the translocation of cardiolipin from the mitochondrial inner membrane to outer membrane enhancing t-Bid induced cytochrome c release and apoptosis (PubMed:<a href="http://www.uniprot.org/citations/14573790" target="\_blank">14573790</a>, PubMed:<a href="http://www.uniprot.org/citations/17226776" target="\_blank">17226776</a>, PubMed:<a href="http://www.uniprot.org/citations/18358005" target="\_blank">18358005</a>). 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:<a href="http://www.uniprot.org/citations/18491232" target="\_blank">18491232</a>). Regulates cardiolipin de novo biosynthesis and its resynthesis (PubMed:<a href="http://www.uniprot.org/citations/16939411" target="\_blank">16939411</a>).

#### 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 Rabbit mAb - 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 Rabbit mAb - Images



