

# PLSCR3 Rabbit mAb

Catalog # AP75928

## Product Information

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

## Additional Information

Gene ID	57048
Other Names	PLSCR3
Dilution	WB~~1/500-1/1000
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

## 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="#">14573790</a> , PubMed: <a href="#">17226776</a> , PubMed: <a href="#">18358005</a> , PubMed: <a href="#">29337693</a> , PubMed: <a href="#">31769662</a> ). Plays an important role in mitochondrial respiratory function, morphology, and apoptotic response (PubMed: <a href="#">12649167</a> , PubMed: <a href="#">14573790</a> , PubMed: <a href="#">17226776</a> , PubMed: <a href="#">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="#">14573790</a> , PubMed: <a href="#">17226776</a> , PubMed: <a href="#">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="#">18491232</a> ). Regulates cardiolipin de novo biosynthesis and its resynthesis (PubMed: <a href="#">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

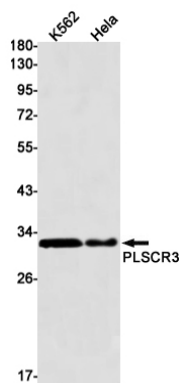
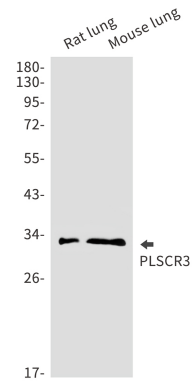
localization to the cell membrane or the nucleus; trafficking to the cell membrane is dependent upon palmitoylation whereas in the absence of palmitoylation, localizes to the nucleus. {ECO:0000250|UniProtKB:Q9JIZ9}

## 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

## Images

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