

PLSCR3 Rabbit mAb

Catalog # AP75928

Product Information

Application	WB
Primary Accession	Q9NRY6
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	Liquid

Protein Information

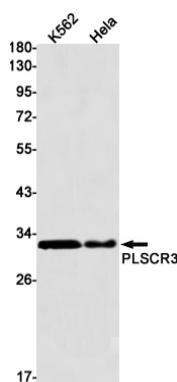
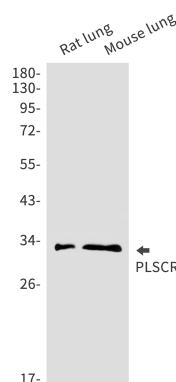
Name	PLSCR3
Function	Catalyzes calcium-induced ATP-independent rapid bidirectional and non-specific movement of the phospholipids (lipid scrambling or lipid flip-flop) between the inner and outer membrane of the mitochondria (PubMed: 14573790 , PubMed: 17226776 , PubMed: 18358005 , PubMed: 29337693 , 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:Q9JZ9} 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:Q9JZ9}

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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