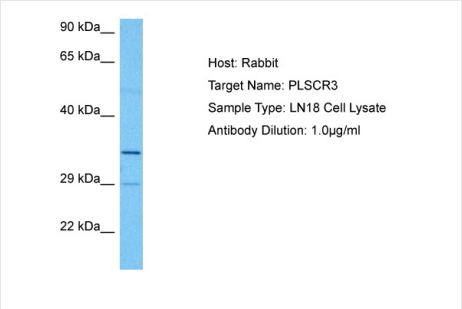
PLSCR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLSCR3, Polyclonal Antibody
Full Product Name	PLSCR3 Antibody - N-terminal region
Product Gene Name	anti-PLSCR3 antibody
Immunogen Sequence	Synthetic peptide located within the following region: PPKGYAPSPP PPYPVTPGYP EPALHPGPGQ APVPAQVPAP APGFALFPSP
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PLSCR3 peptide (MBS3246677) is used for blocking the activity of PLSCR3 antibody (MBS3221960)
Molecular Weight	32 kDa
OMIM	607611
3D Structure	ModBase 3D Structure for Q9NRY6
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PLSCR3
Product Categories/Family for anti-PLSCR3 antibody	Polyclonal; Signaling Intermediate; Cardiovascular; Mitochondria; Membrane & Traffic
Applications Tested/Suitable for anti-PLSCR3 antibody	Western Blot (WB)
Related Product Information for anti-PLSCR3 antibody	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. Seems to play a role in apoptosis, through translocation of cardiolipin from the inner to the outer mitochondrial membrane which promotes BID recruitment and enhances tBid-induced mitochondrial damages.
Other Notes	Small volumes of anti-PLSCR3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PLSCR3 purchase	MBS3221960 is an antibody targeting PLSCR3. Also known as PLSCR3 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PLSCR3 antibody
Host: RabbitTarget Name: PLSCR3Sample Tissue: Human LN18 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLSCR3. It may not necessarily be applicable to this product.

NCBI GI #	320118922
NCBI GeneID	57048
NCBI Accession #	NP_001188505.1
UniProt Primary Accession #	Q9NRY6
UniProt Related Accession #	Q9NRY6
GenBank Nucleotide #	NM_001201576.1
NCBI Official Full Name	phospholipid scramblase 3
NCBI Official Synonym Full Names	phospholipid scramblase 3
NCBI Official Symbol	PLSCR3
UniProt Protein Name	Phospholipid scramblase 3
UniProt Synonym Protein Names	Ca(2+)-dependent phospholipid scramblase 3
Protein Family	Phospholipid scramblase
UniProt Gene Name	PLSCR3
UniProt Synonym Gene Names	PL scramblase 3
UniProt Entry Name	PLS3_HUMAN
NCBI Protein Information	phospholipid scramblase 3
UniProt Comments for PLSCR3	PLSCR3: 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. Belongs to the phospholipid scramblase family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 17p13.1 Cellular Component: mitochondrial membrane; integral to membrane; plasma membrane Molecular Function: phospholipid scramblase activity; protein binding; calcium ion binding; calcium-dependent protein binding; SH3 domain binding Biological Process: cholesterol homeostasis; apoptosis; phospholipid scrambling; glucose homeostasis

Research Articles on PLSCR3	**1.** The results revealed that Ca2+ and Mg2+ bind to Human phospholipid scramblase 3 (hPLSCR3) and trigger conformational changes mediated by aggregation.
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