10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PLSCR4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54948

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q9NRQ2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37005

Additional Information

Gene ID	57088
Other Names	Phospholipid scramblase 4, PL scramblase 4, Ca(2+)-dependent phospholipid scramblase 4, Cell growth-inhibiting gene 43 protein, TRA1, PLSCR4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
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.

Protein Information

Name	PLSCR4 (HGNC:16497)
Function	Catalyzes metal ion-induced ATP-independent rapid bidirectional and non-specific movement of phospholipids (lipid scrambling or lipid flip-flop) between the inner and outer leaflet of the plasma membrane and participates in the redistribution of phospholipids between membrane leaflets (PubMed:23089641). Metal ions bind to the calcium-binding site and induce conformation change in the protein (PubMed:23089641). Has a greater affi nity for Ca(2+) than Mg(2+) and Zn(2+) (PubMed:23089641).
Cellular Location	Cell membrane; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O15162} Cell membrane; Lipid-anchor; Cytoplasmic side {ECO:0000250|UniProtKB:O15162}. Nucleus 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.
Tissue Location	Expressed in heart, brain, placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, uterus, small intestine and colon. Not detected in peripheral blood lymphocytes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.