

**PLSCR4 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54948****Specification****PLSCR4 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">O9NRQ2</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37005

**PLSCR4 Polyclonal Antibody - 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 ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**PLSCR4 Polyclonal Antibody - 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 affinity 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

**PLSCR4 Polyclonal Antibody - 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](#)

**PLSCR4 Polyclonal Antibody - Images**