

PLSCR4 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15344**Specification****PLSCR4 Antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	O9NRQ2
Other Accession	NM_020353 , NP_065086
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa

PLSCR4 Antibody - C-terminal region - Additional Information**Gene ID** 57088**Alias Symbol** **TRA1****Other Names**

Phospholipid scramblase 4, PL scramblase 4, Ca(2+)-dependent phospholipid scramblase 4, Cell growth-inhibiting gene 43 protein, TRA1, PLSCR4

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PLSCR4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PLSCR4 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PLSCR4 Antibody - C-terminal region - 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

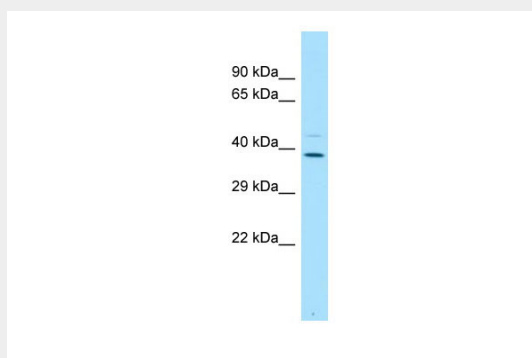
Expressed in heart, brain, placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, uterus, small intestine and colon. Not detected in peripheral blood lymphocytes

PLSCR4 Antibody - C-terminal region - 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 Antibody - C-terminal region - Images



WB Suggested Anti-PLSCR4 Antibody Titration: 1.0 $\mu\text{g/ml}$
Positive Control: Fetal Lung

PLSCR4 Antibody - C-terminal region - References

Wiedmer T., et al. Biochim. Biophys. Acta 1467:244-253(2000).
Kim J.W., et al. Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Muzny D.M., et al. Nature 440:1194-1198(2006).