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PLSCR4 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15344

Product Information

Application	WB
Primary Accession	Q9NRQ2
Other Accession	NM_020353, NP_065086
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37005

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.

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.

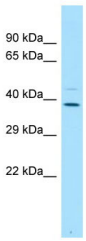
Tissue Location

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

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).

Images



WB Suggested Anti-PLSCR4 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Lung

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