

Product Name: KD-Validated Phospholipid Scramblase 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00909

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 35.0kDa

Antigen Information

Gene Name	PLSCR1 Phospholipid Scramblase 1; MMTRA1B; Ca(2+)-Dependent Phospholipid Scramblase 1;
Alternative Names	Erythrocyte Phospholipid Scramblase; Mg(2+)-Dependent Nuclease; PL Scramblase 1; EC 3.1.-.-; MmTRA1b
Gene ID	5359.0
SwissProt ID	O15162
Immunogen	A synthesized peptide derived from human Scramblase 1

Background

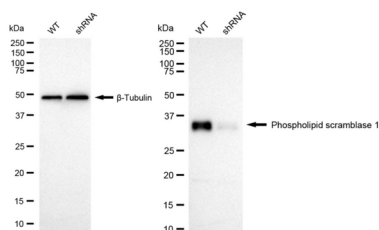
This gene encodes a phospholipid scramblase family member. The encoded protein is involved in disruption of the

asymmetrical distribution of phospholipids between the inner and outer leaflets of the plasma membrane, resulting in externalization of phosphatidylserine. This cell membrane disruption plays an important role in the blood coagulation cascade as well as macrophage clearing of apoptotic cells. The encoded protein has additionally been implicated in gene regulation and interferon-induced antiviral responses. [provided by RefSeq, May 2022]

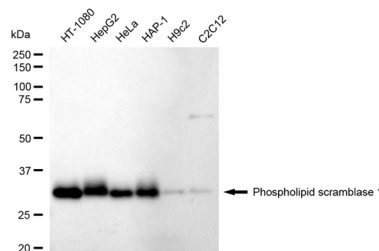
Research Area

Microbiology, Cardiovascular, Signal Transduction

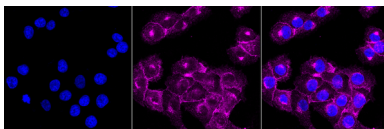
Image Data



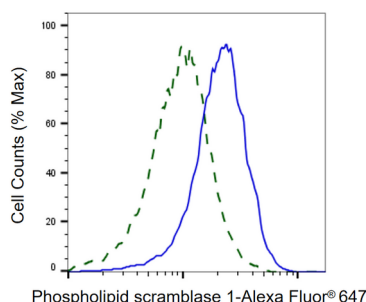
Western blotting analysis using Phospholipid scramblase 1 antibody (KVA00909). Phospholipid scramblase 1 expression in wild type (WT) and Phospholipid scramblase 1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Phospholipid scramblase 1 antibody (KVA00909, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



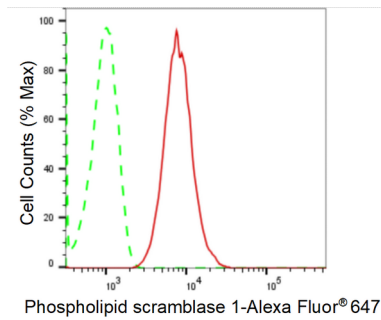
Western blotting analysis using Phospholipid scramblase 1 antibody (KVA00909). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospholipid scramblase 1 antibody (KVA00909, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Phospholipid scramblase 1 antibody (KVA00909, 1:1,000). Nuclei were stained blue with DAPI; Phospholipid scramblase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of Phospholipid scramblase 1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Phospholipid scramblase 1 antibody (KVA00909, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Phospholipid scramblase 1 expression in HT-1080 cells using Phospholipid scramblase 1 antibody (KVA00909, 1:2,000). Green, isotype control; red, Phospholipid scramblase 1.