

PLSCR1 Recombinant Rabbit Monoclonal Antibody (ARC2028)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	ARC2028
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Phospholipid Scramblase 1 (PLSCR1) (NP_0669281)
Form	Liquid
Concentration	0.61 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol, 0.05% BSA
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2897984

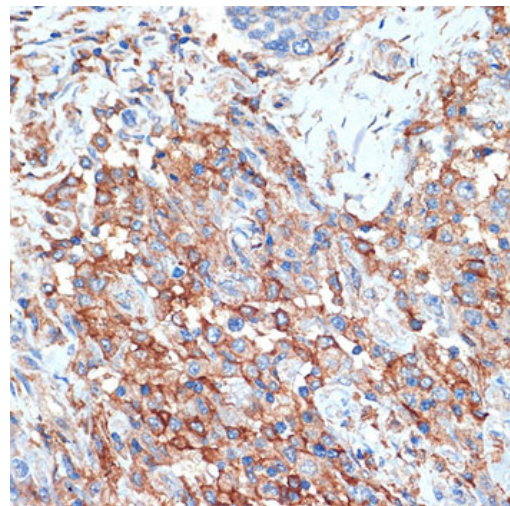
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

Product Specific Information

Positive Samples: HT-29, Mouse lung

Immunogen sequence: MDKQNSQMNA SHPETNLPVG YPPQYPPTAF QGPPGYSGYP GPQVSYPPPP AGHSGPGPAG
FPVPNQPVYN QPVYNQPVGA AGVPWMPAPQ PPLNCPPGLE

Product Images For PLSCR1 Recombinant Rabbit Monoclonal Antibody (ARC2028)

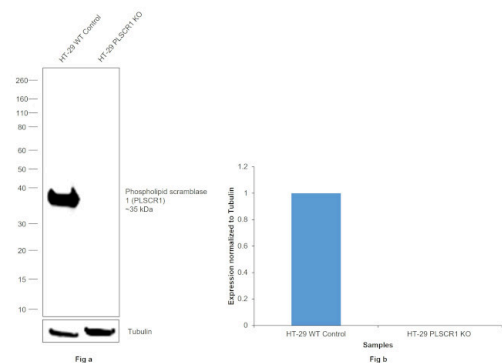


PLSCR1 Antibody (MA5-38066) in IHC (P)

Immunohistochemistry analysis of PLSCR1 in paraffin-embedded human breast cancer using. Samples were incubated with PLSCR1 Monoclonal antibody (Product # MA5-38066) using a dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

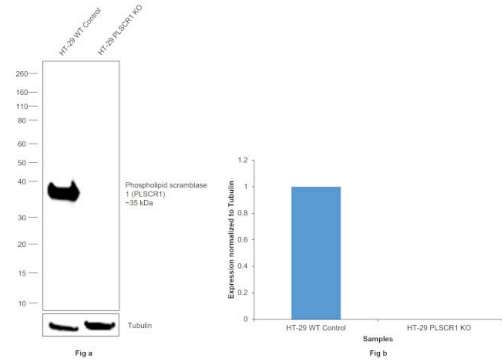
PLSCR1 Antibody (MA5-38066)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in PLSCR1 KO cell line compared to control cell line using PLSCR1 Recombinant Rabbit Monoclonal Antibody (ARC2028) (Product # MA5-38066). {KO}



PLSCR1 Antibody (MA5-38066) in WB

Knockout of PLSCR1 was achieved by CRISPR-Cas9 genome editing using LentiArray™ Lentiviral sgRNA (Product # A32042, Assay ID CRISPR687031_LV) and LentiArray Cas9 Lentivirus (Product # A32064). Western blot analysis of PLSCR1 was performed by loading 30 µg of HT-29 wild type (Lane 1) and HT-29 PLSCR1 KO (Lane 2) modified whole cell extracts. The samples were electrophoresed using NuPAGE™ Novex™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with PLSCR1 Recombinant Rabbit Monoclonal Antibody (ARC2028) (Product # MA5-38066, 1:1,000) and Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:10,000) using the iBright™ FL1500 (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076). Loss of signal upon CRISPR mediated knockout (KO) using the LentiArray™ CRISPR product line confirms that antibody is specific to PLSCR1.



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