
Product Name: KD-Validated Phospho-PLCB3 (S537) Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00933**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 138.8kDa

Antigen Information

Gene Name	PLCB3 Phospholipase C Beta 3; 1-Phosphatidylinositol 4,5-Bisphosphate Phosphodiesterase Beta-3;
Alternative Names	Phospholipase C, Beta 3 (Phosphatidylinositol-Specific); Phosphoinositide Phospholipase C-Beta-3; EC 3.1.4.11; Phospholipase C-Beta-3; PLC Beta 3; PLC-Beta-3; SMDCD
Gene ID	5331.0
SwissProt ID	Q01970
Immunogen	A synthesized peptide derived from human Phospho-PLCB3 (S537)

Background

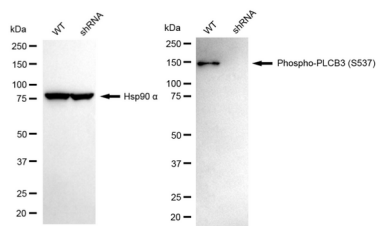
This gene encodes a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the

secondary messengers diacylglycerol and inositol 1,4,5-triphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

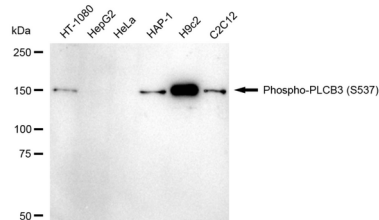
Research Area

Signal Transduction, Metabolism

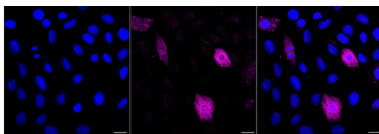
Image Data



Western blotting analysis using phospho-PLCB3 (S537) antibody (KVA00933). Phospho-PLCB3 (S537) expression in wild-type (WT) and PLCB3 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-PLCB3 (S537) antibody (KVA00933, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Phospho-PLCB3 (S537) antibody (KVA00933). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospho-PLCB3 (S537) antibody (KVA00933, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with Phospho-PLCB3 (S537) antibody (KVA00933, 1:1,000). Nuclei were stained blue with DAPI; Phospho-PLCB3 (S537) 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.