
Product Name: KD-Validated PLA2G2A Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01691

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 16.1kDa

Antigen Information

Gene Name	PLA2G2A
Alternative Names	PLA2G2A; Phospholipase A2 Group IIA; PLA2B; PLA2L; Phospholipase A2, Group IIA (Platelets, Synovial Fluid); Non-Pancreatic Secretory Phospholipase A2; Phosphatidylcholine 2-Acylhydrolase 2A; Phospholipase A2, Membrane Associated; Group IIA Phospholipase A2; GIIC SPLA2; NPS-PLA2; EC 3.1.1.4; RASF-A; PLA2S; PLAS1; SPLA2; MOM1; PLA2
Gene ID	5320.0
SwissProt ID	P14555
Immunogen	A synthesized peptide derived from human PLA2G2A

Background

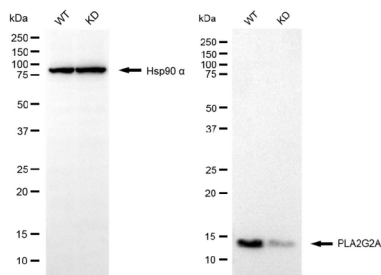
The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of

enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene.[provided by RefSeq, Sep 2009]

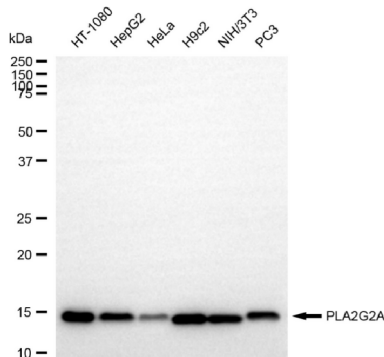
Research Area

Signal Transduction

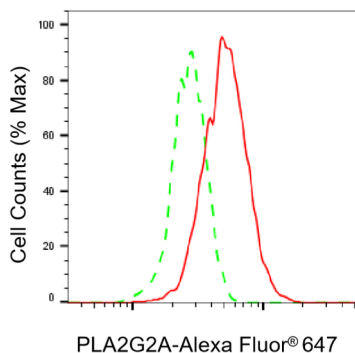
Image Data



Western blotting analysis using PLA2G2A antibody (KVA01691). PLA2G2A expression in wild-type (WT) and PLA2G2A knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PLA2G2A antibody (KVA01691, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PLA2G2A antibody (KVA01691). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PLA2G2A antibody (KVA01691, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of PLA2G2A expression in HepG2 cells using PLA2G2A antibody (KVA01691, 1:2,000). Green, isotype control; red, PLA2G2A.