

Product Name: KD-Validated Phospholipase A2 Activating Protein Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01494

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 87.2kDa

Antigen Information

Gene Name	PLAA PLAA; Phospholipase A2 Activating Protein; PLA2P; PLAP; DOA1; Phospholipase A-2-
Alternative Names	Activating Protein; FLJ11281; FLJ12699; DOA1 Homolog (S. Cerevisiae); DOA1 Homolog; NDMSBA
Gene ID	9373.0
SwissProt ID	Q9Y263
Immunogen	A synthesized peptide derived from human PLAP

Background

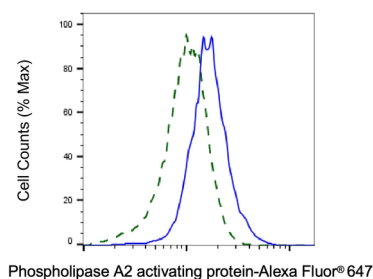
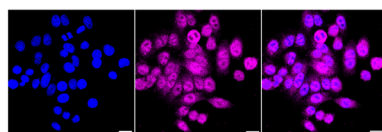
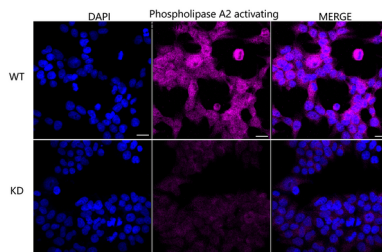
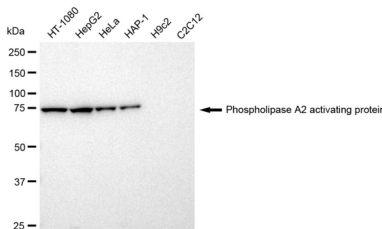
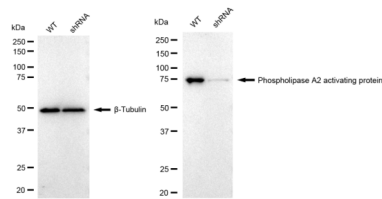
Predicted to enable ubiquitin binding activity. Involved in cellular response to lipopolysaccharide; macroautophagy; and

positive regulation of phospholipase A2 activity. Located in cytoplasm; extracellular exosome; and nucleus. [provided by Alliance of Genome Resources, Apr 2025]

Research Area

Immunology

Image Data



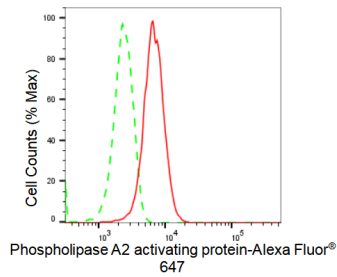
Western blotting analysis using Phospholipase A2 activating protein antibody (KVA01494). Phospholipase A2 activating protein expression in wild type (WT) and phospholipase A2 activating protein shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Phospholipase A2 activating protein antibody (KVA01494, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using Phospholipase A2 activating protein antibody (KVA01494). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospholipase A2 activating protein antibody (KVA01494, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunocytochemical staining of HeLa cells using phospholipase A2 activating protein antibody (KVA01494, 1:1,000). Top panel: wild-type (WT); Bottom panel: phospholipase A2 activating protein shRNA knockdown (KD). Nuclei were stained blue with DAPI; Phospholipase A2 activating protein was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.

Immunocytochemical staining of HepG2 cells with Phospholipase A2 activating protein antibody (KVA01494, 1:1,000). Nuclei were stained blue with DAPI; Phospholipase A2 activating protein 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 μ m.

Validation of Phospholipase A2 activating protein knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Phospholipase A2 activating protein antibody (KVA01494, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Phospholipase A2 activating protein expression in HepG2 cells using Phospholipase A2 activating protein antibody (KVA01494, 1:2,000). Green, isotype control; red, Phospholipase A2 activating protein.