
Product Name: KD-Validated Phospho-PP2A Alpha (Y307) Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01643**

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: 35.6kDa

Antigen Information

Gene Name	PPP2CA PPP2CA; Protein Phosphatase 2 Catalytic Subunit Alpha; Serine/Threonine-Protein Phosphatase 2A Catalytic Subunit Alpha Isoform; Protein Phosphatase 2, Catalytic Subunit,
Alternative Names	Alpha Isozyme; Replication Protein C; EC 3.1.3.16; PP2A-Alpha; PP2Calpha; PP2AC; RP-C; Protein Phosphatase 2 (Formerly 2A), Catalytic Subunit, Alpha Isoform; Protein Phosphatase 2A Catalytic Subunit, Alpha Isoform; PP2CALPHA; NEDLBA; PP2Ac; PP2CA; HJS3
Gene ID	5515.0
SwissProt ID	P67775
Immunogen	A synthesized peptide derived from human Phospho-PP2A alpha (Y307)

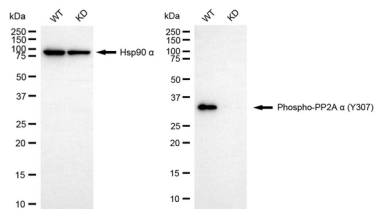
Background

This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the catalytic subunit. [provided by RefSeq, Jul 2008]

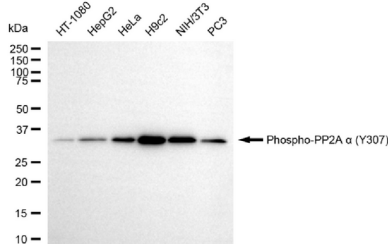
Research Area

Cell Biology, Neuroscience, Signal Transduction, Stem Cells, Epigenetics and Nuclear Signaling, Cancer, Cardiovascular

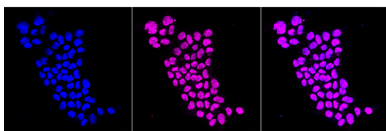
Image Data



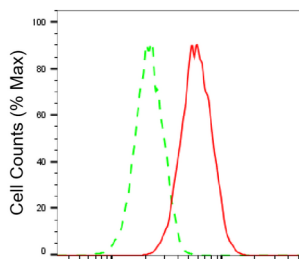
Western blotting analysis using phospho-PP2A alpha (Y307) antibody (KVA01643). Phospho-PP2A alpha (Y307) expression in wild-type (WT) and PPP2CA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-PP2A alpha (Y307) antibody (KVA01643, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using phospho-PP2A alpha (Y307) antibody (KVA01643). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-PP2A alpha (Y307) antibody (KVA01643, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Phospho-PP2A alpha (Y307) antibody (KVA01643, 1:1,000). Nuclei were stained blue with DAPI; Phospho-PP2A alpha (Y307) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of Phospho-PP2A alpha (Y307) expression in HAP-1 cells using Phospho-PP2A alpha (Y307) antibody (KVA01643, 1:2,000). Green, isotype control; red, Phospho-PP2A alpha (Y307).

Phospho-PP2A alpha (Y307)-Alexa Fluor® 647