

Product Name: KD-Validated PPP2R1B Mouse Monoclonal Antibody**Catalog #: KVA00275**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 66.2kDa

Antigen Information

Gene Name	PPP2R1B PPP2R1B; Protein Phosphatase 2 Scaffold Subunit Abeta; PP2A-Abeta; PR65B; Serine/Threonine-Protein Phosphatase 2A 65 KDa Regulatory Subunit A Beta Isoform; Protein Phosphatase 2 (Formerly 2A), Regulatory Subunit A (PR 65), Beta Isoform; Protein
Alternative Names	Phosphatase 2, Structural/Regulatory Subunit A, Beta; Protein Phosphatase 2A, Regulatory Subunit A, Beta Isoform; Protein Phosphatase 2, Regulatory Subunit A, Beta; Protein Phosphatase 2 Regulatory Subunit A, Beta; PP2A Subunit A Isoform PR65-Beta; PP2A Subunit A Isoform R1-Beta; PP2A-A-Beta
Gene ID	5519.0
SwissProt ID	P30154
Immunogen	Recombinant protein of human PPP2R1B

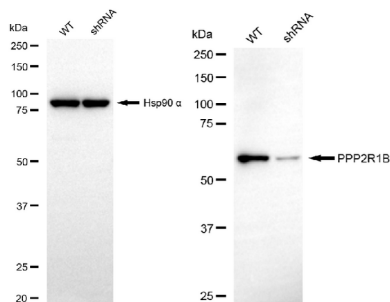
Background

This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 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. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes a beta isoform of the constant regulatory subunit A. Mutations in this gene have been associated with some lung and colon cancers. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010]

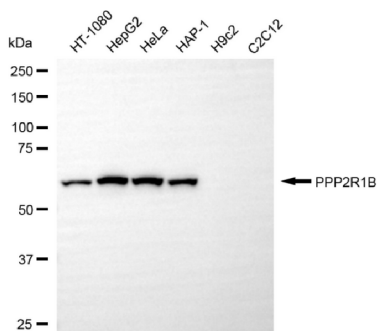
Research Area

Signal Transduction

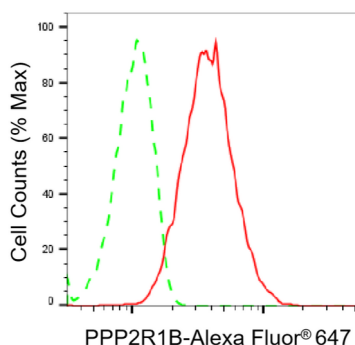
Image Data



Western blotting analysis using PPP2R1B antibody (KVA00275). PPP2R1B expression in wild-type (WT) and PPP2R1B shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PPP2R1B antibody (KVA00275, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using PPP2R1B antibody (KVA00275). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PPP2R1B antibody (KVA00275, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of PPP2R1B expression in HepG2 cells using PPP2R1B antibody (KVA00275, 1:2,000). Green, isotype control; red, PPP2R1B.