

Product Name: KD-Validated PPP1R1B Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00005

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
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
Molecular Weight	Calculated MW: 23.0kDa

Antigen Information

Gene Name	PPP1R1B PPP1R1B; Protein Phosphatase 1 Regulatory Inhibitor Subunit 1B; DARPP-32; Protein Phosphatase 1 Regulatory Subunit 1B; FLJ20940; DARPP32; Protein Phosphatase 1,
Alternative Names	Regulatory (Inhibitor) Subunit 1B; Dopamine And CAMP-Regulated Neuronal Phosphoprotein 32; Dopamine- And CAMP-Regulated Neuronal Phosphoprotein; Dopamine And CAMP Regulated Phosphoprotein
Gene ID	84152.0
SwissProt ID	Q9UD71
Immunogen	A synthesized peptide derived from human DARPP32

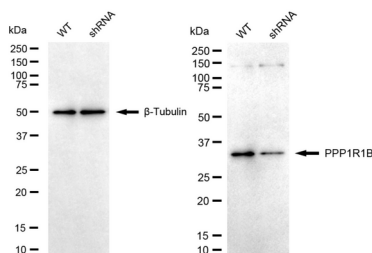
Background

This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

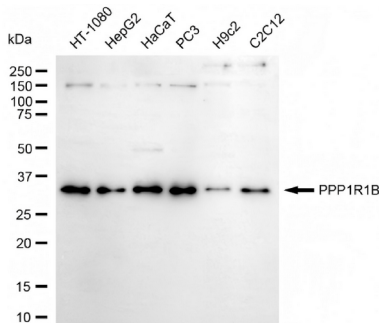
Research Area

Neuroscience, Signal Transduction, Metabolism

Image Data



Western blotting analysis using PPP1R1B antibody (KVA000005). PPP1R1B expression in wild-type (WT) and PPP1R1B shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PPP1R1B antibody (KVA000005, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PPP1R1B antibody (KVA000005). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PPP1R1B antibody (KVA000005, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.