

Anti-PPP1R15B Antibody

Catalog # ABO11024

Specification

Anti-PPP1R15B Antibody - Product Information

Application WB
Primary Accession Q5SWA1
Host Rabbit
Reactivity Human
Clonality Polyclonal
Format Lyophilized

Description

Rabbit IgG polyclonal antibody for Protein phosphatase 1 regulatory subunit 15B(PPP1R15B) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-PPP1R15B Antibody - Additional Information

Gene ID 84919

Other Names

Protein phosphatase 1 regulatory subunit 15B, PPP1R15B

Calculated MW 79152 MW KDa

Application Details

Western blot, 0.1-0.5 μg/ml, Human

Protein Name

Protein phosphatase 1 regulatory subunit 15B

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human PPP1R15B(15-31aa RAGFRFWPPFFPRRSQA).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be



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aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-PPP1R15B Antibody - Protein Information

Name PPP1R15B

Function

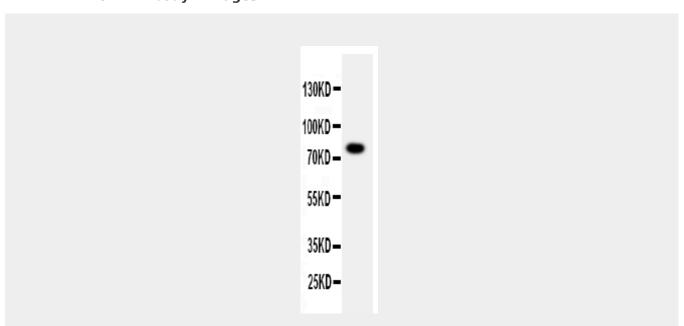
Maintains low levels of EIF2S1 phosphorylation in unstressed cells by promoting its dephosphorylation by PP1.

Anti-PPP1R15B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PPP1R15B Antibody - Images

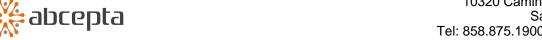


Anti-PPP1R15B antibody, ABO11024, Western blottingAll lanes: Anti PPP1R15B(ABO11024) at 0.5ug/mlWB: A549 Whole Cell Lysate at 40ugPredicted bind size: 79KDObserved bind size: 79KD

Anti-PPP1R15B Antibody - Background

PPP1R15B(Protein phosphatase 1, regulatory subunit 15b), also called CREP, promotes dephosphorylation of the transcription initiation factor EIF2-alpha through recruitment of protein phosphatase-1(PP1) catalytic subunits. The PPP1R15B gene is mapped to chromosome 1q32.1 based on an alignment of the PPP1R15B sequence by Hartz (2010). Harding et al. (2009) obtained





Ppp1r15b -/- mice at a mendelian ratio. However, Ppp1r15b -/- newborns were half the size of their wildtype littermates, were notably pale, and failed to nurse, and none survived the first day of postnatal life. Ppp1r15b -/- embryos that were also homozygous for an Eif2-alpha mutation that prevented Eif2-alpha phosphorylation were normalized, including elevated birth size and restored red blood cell count, compared with Ppp1r15b -/- embryos with wildtype Eif2-alpha.