

**Anti-PPP1R15B Antibody**  
**Catalog # ABO11024****Specification**

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**Anti-PPP1R15B Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q5SWA1</a>
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<br>

**Protein Name**

Protein phosphatase 1 regulatory subunit 15B

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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**

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 Cytometry](#)
- [Cell Culture](#)

## Anti-PPP1R15B Antibody - Images



Anti-PPP1R15B antibody, ABO11024, Western blotting All lanes: Anti PPP1R15B (ABO11024) at 0.5ug/ml WB: A549 Whole Cell Lysate at 40ug Predicted bind size: 79KD Observed 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 <sup>-/-</sup> mice at a mendelian ratio. However, Ppp1r15b <sup>-/-</sup> 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 <sup>-/-</sup> 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 <sup>-/-</sup> embryos with wildtype Eif2-alpha.