Datasheet for ABIN7600638

anti-PPP1R15B antibody (AA 211-657)

Go to Product page

Overview

Quantity:	100 µg
Target:	PPP1R15B
Binding Specificity:	AA 211-657
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1R15B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PPP1R15B Antibody Picoband®
Immunogen:	E.coli-derived human PPP1R15B recombinant protein (Position: Q211-D657).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-PPP1R15B Antibody Picoband® (ABIN7600638). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

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Target Details

Target:	PPP1R15B
Alternative Name:	PPP1R15B (PPP1R15B Products)
Background:	Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3, Tissue Specificity: Ubiquitous. Highly expressed in brain. . 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 thePPP1R15B 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.
Molecular Weight:	110 kDa
Gene ID:	84919
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Harding, H. P., Zhang, Y., Scheuner, D., Chen, J.-J., Kaufman, R. J., Ron, D. Ppp1r15 gene knockout reveals an essential role for translation initiation factor 2 alpha (eIF2-alpha) dephosphorylation in mammalian development. Proc. Nat. Acad. Sci. 106: 1832-1837, 2009.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.

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