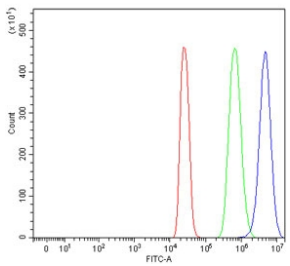
Protein phosphatase 1 regulatory subunit 15B Antibody / PPP1R15B (RQ8244)

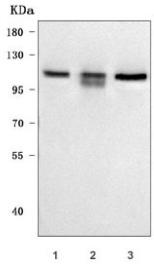
Catalog No.	Formulation	Size
RQ8244	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q5SWA1
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Protein phosphatase 1 regulatory subunit 15B antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human 293T cells with Protein phosphatase 1 regulatory subunit 15B antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Protein phosphatase 1 regulatory subunit 15B antibody.



Western blot testing of human 1) 293T, 2) MCF7 and 3) HeLa cell lysate with Protein phosphatase 1 regulatory subunit 15B antibody. Predicted molecular weight ~79 kDa but may be observed at up to ~100 kDa, possibly due to phosphorylation.

Description

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.

Application Notes

Optimal dilution of the Protein phosphatase 1 regulatory subunit 15B antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q211-D657) was used as the immunogen for the Protein phosphatase 1 regulatory subunit 15B antibody.

Storage

After reconstitution, the Protein phosphatase 1 regulatory subunit 15B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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