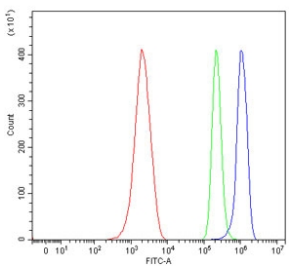
Ppp1r15a Antibody / Gadd34 (RQ7322)

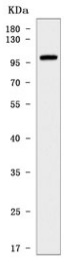
Catalog No.	Formulation	Size
RQ7322	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
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	P17564
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Ppp1r15a antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with Ppp1r15a antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Ppp1r15a antibody.



Wester blot testing of mouse stomach tissue lysate with Ppp1r15a antibody. Predicted molecular weight ~73 kDa, but commonly observed at up to ~110 kDa.

Description

Protein phosphatase 1 regulatory subunit 15A also known as growth arrest and DNA damage-inducible protein GADD34 is a protein that in humans is encoded by the PPP1R15A gene. Enables protein phosphatase binding activity and protein phosphatase regulator activity. Involved in several processes, including peptidyl-serine dephosphorylation; regulation of gene expression; and regulation of protein modification process. Acts upstream of or within endoplasmic reticulum unfolded protein response. Predicted to be located in several cellular components, including Golgi apparatus; cytosol; and mitochondrion. Predicted to be part of protein phosphatase type 1 complex. Predicted to be active in endoplasmic reticulum. Is expressed in several structures, including central nervous system; genitourinary system; gut; hemolymphoid system gland; and liver. Used to study thalassemia. Orthologous to human PPP1R15A (protein phosphatase 1 regulatory subunit 15A).

Visit our GADD34 Antibody / Stress Response Protein Antibody page to explore additional validated antibodies and research tools for investigating GADD34 biology, integrated stress response signaling, and translational regulation.

Application Notes

Optimal dilution of the Ppp1r15a antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids R14-R572) was used as the immunogen for the Ppp1r15a antibody.

Storage

After reconstitution, the Ppp1r15a antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.