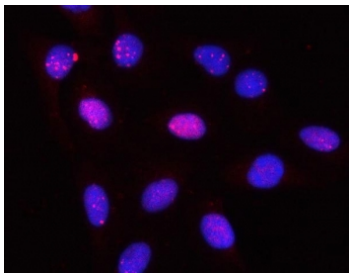
PPP2R3A Antibody (RQ8139)

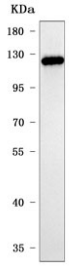
Catalog No.	Formulation	Size
RQ8139	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

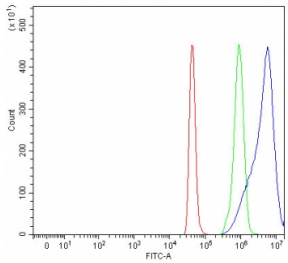
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q06190
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PPP2R3A antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with PPP2R3A antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human A431 cell lysate with PPP2R3A antibody. Predicted molecular weight ~130 kDa and ~72 kDa as well as possibly ~48 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with PPP2R3A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PPP2R3A antibody.

Description

Serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit alpha is an enzyme that in humans is encoded by the PPP2R3A gene. This gene encodes one of the regulatory subunits of the protein phosphatase 2. Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holozenzyme. The product of this gene belongs to the B'' family. The B'' family has been further divided into subfamilies. The product of this gene belongs to the alpha subfamily of regulatory subunit B''. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the PPP2R3A antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-E1150) was used as the immunogen for the PPP2R3A antibody.

Storage

After reconstitution, the PPP2R3A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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