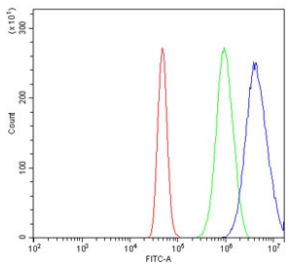
PPP4R1 Antibody / PP4R1 (RQ6508)

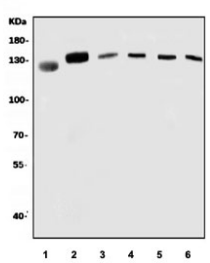
Catalog No.	Formulation	Size
RQ6508	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8TF05
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This PPP4R1 antibody is available for research use only.



Flow cytometry testing of human A431 cells with PPP4R1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PPP4R1 antibody.



Western blot testing of 1) monkey COS-7, 2) human K562, 3) rat brain, 4) rat stomach, 5) mouse brain and 6) mouse stomach lysate with PPP4R1 antibody. Expected molecular weight: 107-125 kDa.

Description

Serine/threonine-protein phosphatase 4 regulatory subunit 1 is an enzyme that in humans is encoded by the PPP4R1 gene. This gene encodes one of several alternate regulatory subunits of serine/threonine protein phosphatase 4 (PP4). The protein features multiple HEAT repeats. This protein forms a complex with PP4RC. This complex may have a distinct role from other PP4 complexes, including regulation of HDAC3 (Zhang et al., PMID: 15805470). There is also a transcribed pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the PPP4R1 antibody should be determined by the researcher.

Immunogen

Amino acids HQEAVEQTIMALQMDRDSDVKYFASIH from the human protein were used as the immunogen for the PPP4R1 antibody.

Storage

After reconstitution, the PPP4R1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.