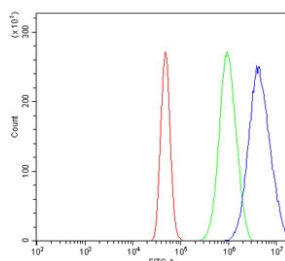


## PPP4R1 Antibody / PP4R1 (RQ6508)

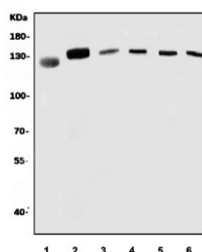
Catalog No.	Formulation	Size
RQ6508	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q8TF05
<b>Applications</b>	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	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 HQEAVEQTIMALQMDRSDVKYFASIH 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.