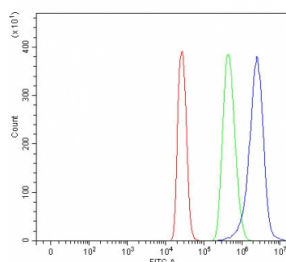


## KEPI Antibody / Kinase-enhanced PP1 inhibitor / PPP1R14C (RQ8239)

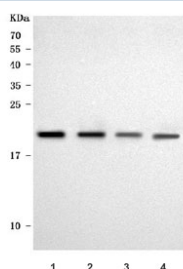
Catalog No.	Formulation	Size
RQ8239	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q8TAE6
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This KEPI antibody is available for research use only.



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



Western blot testing of 1) human 293T, 2) human K562, 3) rat H9C2(2-1) and 4) mouse Neuro-2a cell lysate with KEPI antibody. Predicted molecular weight ~18 kDa.

## Description

Protein phosphatase 1 regulatory subunit 14C, also called Kinase-enhanced PP1 inhibitor (KEPI), is an enzyme that in humans is encoded by the PPP1R14C gene. The degree of protein phosphorylation is regulated by a balance of protein kinase and phosphatase activities. Protein phosphatase-1 (PP1; see MIM 176875) is a signal-transducing phosphatase that influences neuronal activity, protein synthesis, metabolism, muscle contraction, and cell division. PPP1R14C is an inhibitor of PP1.

## Application Notes

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

## Immunogen

E. coli-derived recombinant human protein (amino acids H67-V165) was used as the immunogen for the KEPI antibody.

## Storage

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