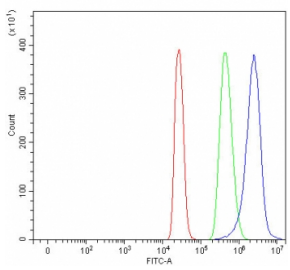
KEPI Antibody / Kinase-enhanced PP1 inhibitor / PPP1R14C (RQ8239)

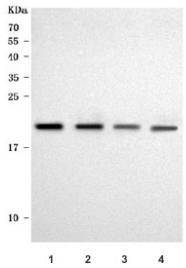
Catalog No.	Formulation	Size
RQ8239	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
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	Q8TAE6
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	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.