

For Research Use Only

KEPI Polyclonal antibody

Catalog Number: 24933-1-AP

Featured Product



Basic Information

Catalog Number:

24933-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20645

GenBank Accession Number:

BC015773

GeneID (NCBI):

81706

UNIPROT ID:

Q8TAE6

Full Name:

protein phosphatase 1, regulatory
(inhibitor) subunit 14C

Calculated MW:

18 kDa

Observed MW:

20-22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HeLa cells, MDA-MB-231 cells

Background Information

PPP1R14C, found as a morphine - regulated brain gene, encodes protein phosphatase 1 regulatory inhibitor subunit 14C, and is identified as a potent inhibitor of PP1. Horvath and colleagues reported that PPP1R14C inhibited the release of neurotransmitters and promoted neuronal exocytosis by retaining synaptosome associated protein 25 (SNAP25) at a phosphorylated state. Moreover, overexpression of PPP1R14C increased the phosphorylation of RB transcriptional co-repressor 1 (RB1) to protect leukemic cells from chemotherapy.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

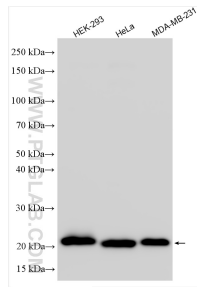
T: 4006900926

E: Proteintech-CN@ptglab.com

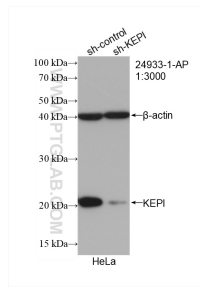
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24933-1-AP (KEPI antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



WB result of KEPI antibody (24933-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KEPI transfected HeLa cells.