

For Research Use Only

PPP1R1A Polyclonal antibody, PBS Only

Catalog Number: 12461-1-PBS



Basic Information

Catalog Number:

12461-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3128

GenBank Accession Number:

BC022470

GeneID (NCBI):

5502

UNIPROT ID:

Q13522

Full Name:

protein phosphatase 1, regulatory (inhibitor) subunit 1A

Calculated MW:

171 aa, 19 kDa

Observed MW:

15-18 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, rat

Background Information

PPP1R1A, also known as protein phosphatase 1 regulatory subunit 1A, is a gene that plays a crucial role in regulating the activity of protein phosphatase 1 (PP1). As an inhibitor, PPP1R1A binds to PP1, preventing the dephosphorylation of PP1 to other proteins. This gene influences a broad range of cellular functions by maintaining the phosphorylation of specific proteins and is directly involved in glycogen metabolism, cardiac contractility, and cell proliferation. PPP1R1A is considered a key factor in regulating cellular signaling and physiological homeostasis.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

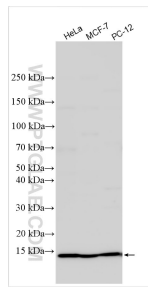
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12461-1-AP (PPP1R1A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12461-1-PBS in a different storage buffer formulation.