

For Research Use Only

PRKRA Monoclonal antibody

Catalog Number: 68518-1-Ig



Basic Information

Catalog Number:

68518-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG29818

GenBank Accession Number:

BC009470

GeneID (NCBI):

8575

UNIPROT ID:

O75569

Full Name:

protein kinase, interferon-inducible
double stranded RNA dependent
activator

Calculated MW:

34 kDa

Observed MW:

34 kDa

Purification Method:

Protein A purification

CloneNo.:

1D4C3

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB: A549 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

Background Information

PRKRA (PKR-associated protein X) is also named as PACT, RAX, HSD-14 and HSD14. PRKRA was significantly overexpressed in PC tissues and promoted the proliferation, migration, and chemoresistance of PC cells (PMID: 37484321). PRKRA activates EIF2AK2/PKR in the absence of double-stranded RNA (dsRNA), leading to phosphorylation of EIF2S1/EIF2- α and inhibition of translation and induction of apoptosis. PRKRA has been shown to interact with DICER1. DICER1 and PRKRA expression in normal colon was limited to mucosal epithelium and showed similar cytoplasmic expression (PMID: 37484321).

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:

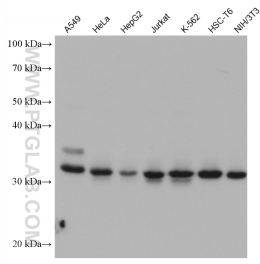
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68518-1-Ig (PRKRA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.