

For Research Use Only

PACT Polyclonal antibody

Catalog Number: 28636-1-AP

Featured Product



Basic Information

Catalog Number:

28636-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29784

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB: HeLa cells, mouse testis tissue, MCF-7 cells, rat testis tissue, K-562 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

*** 20ul sizes contain 0.1% BSA

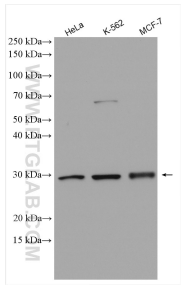
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

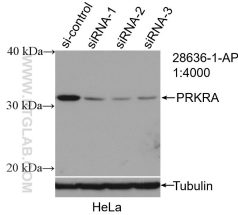
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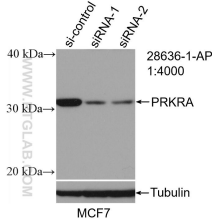
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28636-1-AP (PACT antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



WB result of PACT antibody (28636-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PACT transfected HeLa cells.



WB result of PACT antibody (28636-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PACT transfected MCF-7 cells.