

For Research Use Only

PDCD6/ALG2 Recombinant antibody

Catalog Number: 85792-5-RR



Basic Information

Catalog Number:

85792-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2949

GenBank Accession Number:

BC012384

GeneID (NCBI):

10016

UNIPROT ID:

O75340

Full Name:

programmed cell death 6

Calculated MW:

191 aa, 22 kDa

Observed MW:

15-22 kDa

Purification Method:

Protein A purification

CloneNo.:

250087B4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, HeLa cells, HEK-293 cells, K-562 cells, SK-BR-3 cells, NIH/3T3 cells, HSC-T6 cells

Background Information

Programmed cell death protein 6 (PDCD6) is also named as ALG2. PDCD6 is an evolutionarily conserved Ca²⁺-binding protein. PDCD6 is required for coat protein complex II-dependent endoplasmic reticulum-to-Golgi apparatus vesicular transport in the cytoplasm (PMID: 39934130). PDCD6 is involved in regulating multifaceted and pleiotropic cellular processes in different cellular compartments. The nuclear PDCD6 regulates apoptosis and alternative splicing. And cytoplasmic PDCD6 is involved in the regulation of cytoskeletal dynamics and innate immune responses. Additionally, membranous PDCD6 participates in membrane repair through endosomal sorting complex required for transport complex-dependent membrane budding. (PMID: 38436472). PDCD6 also acts as a regulator of cytosolic DNA-induced immune responses by modulating STING transport (PMID: 34787301).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

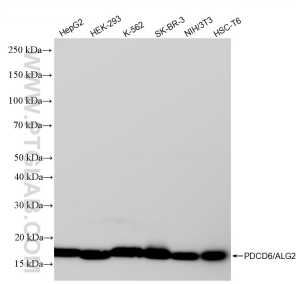
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85792-5-RR (PDCD6/ALG2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

HeLa cells were subjected to SDS PAGE followed by western blot with 85792-5-RR (PDCD6/ALG2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.