

For Research Use Only

PDK4 Polyclonal antibody, PBS Only

Catalog Number: 12949-1-PBS

Featured Product



Basic Information

Catalog Number:

12949-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3629

GenBank Accession Number:

BC040239

GeneID (NCBI):

5166

UNIPROT ID:

Q16654

Full Name:

pyruvate dehydrogenase kinase,
isozyme 4

Calculated MW:

411 aa, 46 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Background Information

Pyruvate dehydrogenase kinase isoform4 (PDK4) is also named as PDHK4 and belongs to the PDK/BCKDK protein kinase family. It is upregulated by starvation in many tissues of the body during starvation. This causes inactivation of the pyruvate dehydrogenase complex which blocks pyruvate oxidation and conserves lactate and alanine for gluconeogenesis. Enhanced PDK4 expression may be caused by the increase in free fatty acids that occurs during starvation. Free fatty acids can activate peroxisome proliferator-activated receptor α (PPAR α), and activation of PPAR α can promote PDK4 expression (PMID: 11554740).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

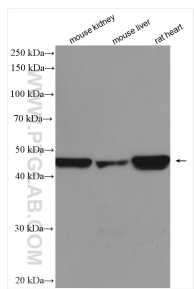
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 12949-1-AP (PDK4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12949-1-PBS in a different storage buffer formulation.

