

For Research Use Only

Phospho-PAK4 (Ser474)/PAK5 (Ser602)/PAK6 (Ser560) Recombinant monoclonal antibody

Catalog Number: 87648-2-RR



Basic Information

Catalog Number:

87648-2-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001014831

GeneID (NCBI):

10298

UNIPROT ID:

O96013

Full Name:

p21 protein (Cdc42/Rac)-activated kinase 4

Calculated MW:

64 kDa

Observed MW:

72 kDa

Purification Method:

Protein A purification

CloneNo.:

253138E10

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: HeLa cells, NIH/3T3 cells, λ phosphatase treated HeLa cells, λ phosphatase treated NIH/3T3 cells

Background Information

PAK4 (p21-activated kinase 4) is also named as KIAA1142. It belongs to the protein kinase superfamily. Phospho-PAK4 (Ser474)/PAK5 (Ser602)/PAK6 (Ser560) refers to the phosphorylated forms of the Group II p21-Activated Kinases (PAKs) at specific serine residues in their kinase activation loops. These phosphorylation events are essential for the catalytic activation of Group II PAKs and serve as definitive markers of their enzymatic activity. (PMID: 17292838)

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:

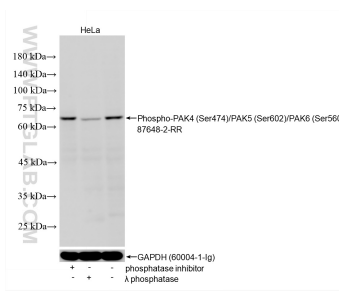
T: 4006900926

E: Proteintech-CN@ptglab.com

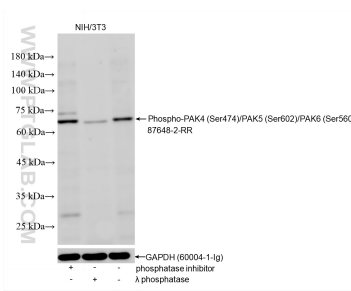
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Selected Validation Data



Non-treated HeLa cells, phosphatase inhibitor treated HeLa cells and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 87648-2-RR (Phospho-PAK4 (Ser474)/PAK5 (Ser602)/PAK6 (Ser560) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.



Non-treated NIH/3T3 cells, phosphatase inhibitor treated NIH/3T3 cells and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 87648-2-RR (Phospho-PAK4 (Ser474)/PAK5 (Ser602)/PAK6 (Ser560) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.