

For Research Use Only

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

Catalog Number: 87648-2-RR



Basic Information

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|--|---|---|
| Catalog Number: 87648-2-RR | GenBank Accession Number: NM_001014831 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 10298 | CloneNo.: 253138E10 |
| Source: Rabbit | UNIPROT ID: O96013 | Recommended Dilutions: WB: 1:1000-1:4000 |
| Isotype: IgG | Full Name: p21 protein (Cdc42/Rac)-activated kinase 4 | |
| | Calculated MW: 64 kDa | |
| | Observed MW: 72 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HeLa cells, NIH/3T3 cells, λ phosphatase treated HeLa cells, λ phosphatase treated NIH/3T3 cells |
| Species Specificity: human, mouse | |

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

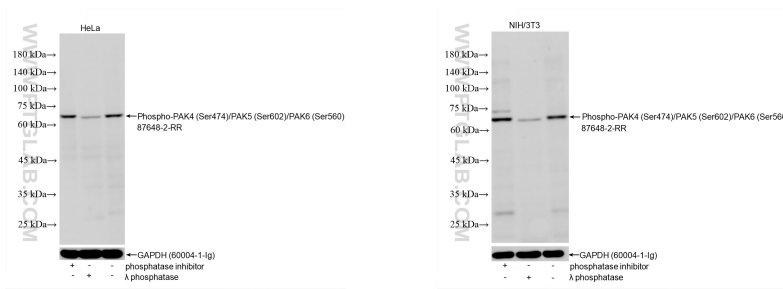
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
W: 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.