For Research Use Only

Phospho-PAK1 (Ser144)/PAK2 (Ser141) Recombinant antibody

Catalog Number:85044-1-RR

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Basic Information

Catalog Number:
85044-1-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC109299

GeneID (NCBI):
5058

UNIPROT ID:
Q13153

Full Name:
p21 protein (Cdc42/Rac)-activated kinase 1

Calculated MW:
553 aa, 62 kDa

Observed MW:
61 kDa

Purification Method:
Protein A purfication

CloneNo.:
242123D12

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : pervanadate treated C6 cells, LPS treated RAW 264.7 cells

Background Information

The human PAK family is divided into the group I (PAK1 to PAK3) and group II (PAK4 to PAK6). Group I PAK share some domains that are not present in the group II members. In particular, the autoinhibitory domain (AID) is important for regulation of the kinase activity of the group I family members. Autophosphorylation at PAK1 Ser144, or at the equivalent sites for the other PAK, stabilizes the open conformation and sustains high kinase activity. Mutation of tyrosines 131 or 429 is associated with reduced dimerization and enhanced kinase activity. (PMID: 31748572)

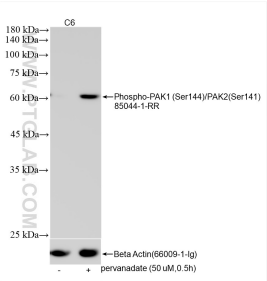
Storage

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

Selected Validation Data



Non-treated C6 cells and pervanadate treated C6 cells were subjected to SDS PAGE followed by western blot with 85044-1-RR (Phospho-PAK1 (Ser144)/PAK2 (Ser141) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.