For Research Use Only

PAK4 Recombinant antibody

Catalog Number:83761-5-RR

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Basic Information

Catalog Number:
83761-5-RR

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5981

GenBank Accession Number:
BC025282

GeneID (NCBI):
10298

UNIPROT ID:
O96013

Full Name:
p21 protein (Cdc42/Rac)-activated kinase 4

Calculated MW:
64 kDa

Observed MW:
64 kDa

Purification Method:
Protein A purfication

CloneNo.:
240686D1

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, COLO 320 cells, Raji cells, MCF-7 cells, PC-3 cells

Background Information

PAK4(p21-activated kinase 4) is also named as KIAA1142. It belongs to the protein kinase superfamily.PAK4 regulates cell morphology, cytoskeletal organization, and cell proliferation and migration. It can also function as an antiapoptotic protein (PMID:14517283). It has 4 isoforms produced by alternative splicing. And it can be autophosphorylated on serine residues when activated by CDC42/p21 (PMID:11278822).

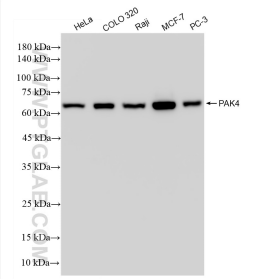
Storage

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

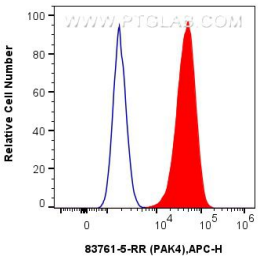
***** 20ul sizes contain 0.1% BSA**

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

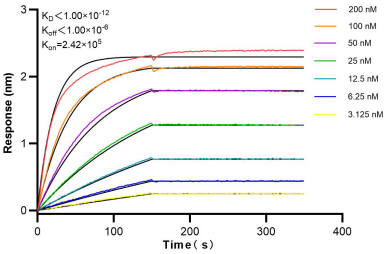
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83761-5-RR (PAK4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10^6 MCF-7 cells were intracellularly stained with 0.25 ug PAK4 Recombinant antibody (83761-5-RR, Clone:240686D1) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83761-5-RR against Human PAK4 were performed. The affinity constant is below 1 pM.