

For Research Use Only

# PAK4 Recombinant antibody

Catalog Number:83761-5-RR



## Basic Information

<b>Catalog Number:</b> 83761-5-RR	<b>GenBank Accession Number:</b> BC025282	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 10298	<b>CloneNo.:</b> 240686D1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O96013	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> p21 protein (Cdc42/Rac)-activated kinase 4	
<b>Immunogen Catalog Number:</b> AG5981	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 64 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : HeLa cells, COLO 320 cells, Raji cells, MCF-7 cells, PC-3 cells
<b>Species Specificity:</b> human	

## 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

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

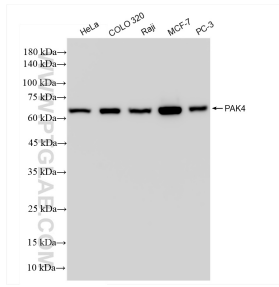
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

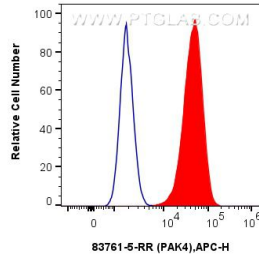
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

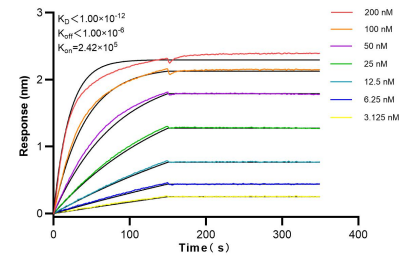
## Selected Validation Data



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



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.25  $\mu$ g PAK4 Recombinant antibody (83761-5-RR, Clone:240686D1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g 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.