

For Research Use Only

# PAK2 Recombinant antibody

Catalog Number:85646-2-RR



## Basic Information

Catalog Number:

85646-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002577

GeneID (NCBI):

5062

UNIPROT ID:

Q13177

Full Name:

p21 protein (Cdc42/Rac)-activated kinase 2

Calculated MW:

58 kDa

Observed MW:

54 kDa

Purification Method:

Protein A purification

CloneNo.:

243124G9

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, HeLa cells

## Background Information

PAK2, also named as PAK65, PAKgamma, p58, PAK-2p27, PAK-2p24 and C-t-PAK2, belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and STE20 subfamily. Full length PAK 2 stimulates cell survival and cell growth. The process is, at least in part, mediated by phosphorylation and inhibition of pro-apoptotic BAD. PAK2 has several isoforms with the MW of 54-62 kDa and 41 kDa. The 62 kDa PAK2 is cleaved into a 34 kDa C terminal fragment and a 28 kDa N terminal fragment with a time course that parallels apoptotic death in Jurkat cells. (PMID:10200518). Caspase-activated PAK-2p34 is involved in cell death response, probably involving the JNK signaling pathway. Cleaved PAK-2p34 seems to have a higher activity than the CDC42-activated form.

## 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:

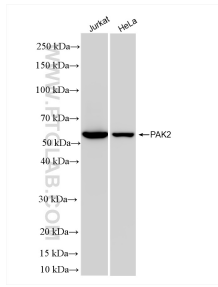
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85646-2-RR (PAK2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.