PAK2 Recombinant antibody, PBS Only

Catalog Number:85646-2-PBS

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Basic Information

Catalog Number:
85646-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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.
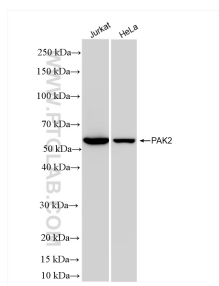
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS only, pH7.3

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. This data was developed using the same antibody clone with 85646-2-PBS in a different storage buffer formulation.