

For Research Use Only

PAK2 Polyclonal antibody

Catalog Number: 19979-1-AP



Basic Information

Catalog Number: 19979-1-AP	GenBank Accession Number: NM_002577	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 5062	Recommended Dilutions: WB 1:1000-1:5000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q13177	
Isotype: IgG	Full Name: p21 protein (Cdc42/Rac)-activated kinase 2	
	Calculated MW: 58 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Species Specificity: human	WB: HEK-293 cells, human skeletal muscle tissue, Jurkat cells, HeLa cells, PC-3 cells, Raji cells IF: 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. The antibody has no cross reaction to PAK1 and PAK3.

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:

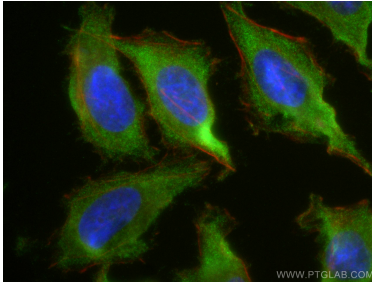
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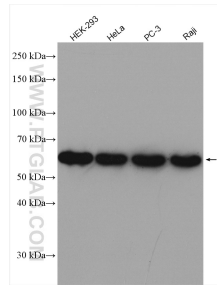
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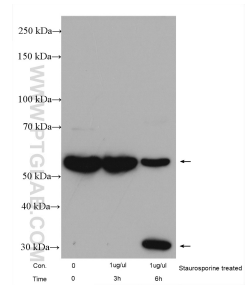
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PAK2 antibody (19979-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 19979-1-AP (PAK2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 19979-1-AP (PAK2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.