

PAK2

Reactivity: Human

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 58kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human PAK2

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

PAK65; PAKgamma;

Catalog #: A0518

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5062

Isotype: IgG

Swiss Prot: Q13177

Purity: Affinity purification

For research use only.

Background:

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. PAK2 acts on a variety of targets. PAK2 catalyzes the reaction: ATP + a protein = ADP + a phosphoprotein. PAK2 phosphorylates ribosomal protein S6, histone H4 and myelin basic protein. 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. 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.

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