ELK Biotechnology

PAKγ (phospho Ser141) rabbit pAb

Cat No.:ES6468

For research use only

Overview

Product Name	PAKγ (phospho Ser141) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PAK2 around the phosphorylation site of Ser141. AA range:107-156
Specificity	Phospho-PAKγ (S141) Polyclonal Antibody detects endogenous levels of PAKγ protein only when phosphorylated at S141.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Serine/threonine-protein kinase PAK 2
Gene Name	PAK2
Cellular localization	[Serine/threonine-protein kinase PAK 2]: Cytoplasm. MYO18A mediates the cellular distribution of the PAK2-ARHGEF7-GIT1 complex to the inner surface of the cell membrane.; [PAK-2p34]: Nucleus. Cytoplasm, perinuclear region. Membrane; Lipid-anchor. Interact
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	5062
Human Swiss-Prot Number	Q13177
Alternative Names	PAK2; Serine/threonine-protein kinase PAK 2;

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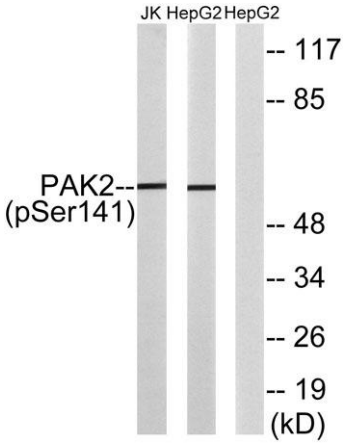
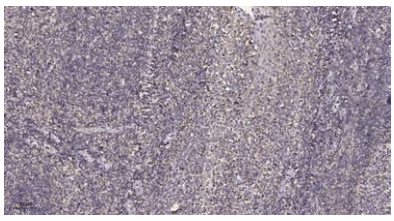
Gamma-PAK; PAK65; S6/H4 kinase; p21-activated kinase 2; PAK-2; p58

Background

The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from HepG2 cells treated with Adriamycin 0.5uM 24h/Jurkat cells treated with PMA 125ng/ml 30', using PAK2 (Phospho-Ser141) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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