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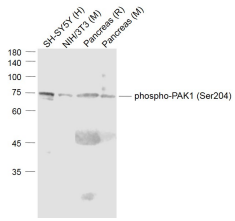
phospho-PAK1 (Ser204) Rabbit pAb

Catalog Number:	bs-4318R
Target Protein:	phospho-PAK1 (Ser204)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human, Mouse, Rat
Predicted MW:	61 kDa
Subcellular Locations:	Cell membrane ,Cytoplasm
Entrez Gene:	5058
Swiss Prot:	Q13153
Source:	KLH conjugated synthesised phosphopeptide derived from human PAK1 around the phosphorylation site of Ser204: TR(p-S)VI.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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. P21-activated kinase (PAK) is actually a family of serine/threonine protein kinases, members of which are activated by small molecular weight GTPases. The three most common isoforms are PAK 1, PAK 2, and PAK 3 (also known as alpha PAK, gamma PAK, and beta PAK, respectively). These kinases contain numerous regulatory elements that trigger diverse signaling processes such as those initiated by activated GTPases, interaction with Src homology 3 (SH3) domains, and caspase mediated proteolytic cleavage. Autophosphorylation of serine 141 (serine 144 for PAK 1 and serine 139 PAK 3), catalyzed by Cdc42, is required for activation of PAK.

VALIDATION IMAGES



Sample: Lane 1: SH-SY5Y (Human) Cell Lysate at 30 ug Lane 2: NIH/3T3(Mouse) Cell Lysate at 30 ug Lane 3: Pancreas (Rat) Lysate at 40 ug Lane 4: Pancreas (Mouse) Lysate at 40 ug Primary: Anti-phospho-PAK1 (Ser204) (bs-4318R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kD Observed band size: 75 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=2.5] Chenlei Li. et al. Plexin D1 Negatively Regulates Macrophage-derived Foam Cell Migration via the Focal Adhesion Kinase/Paxillin Pathway. BIOCHEM BIOPH RES CO. 2024 Jun;:150236 WB ; Mouse . 38897039