Product Datasheet

PAK4 (phospho Ser474) Polyclonal Antibody

Catalog No: #13634

Package Size: #13634-1 50ul   #13634-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	PAK4 (phospho Ser474) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-PAK4 (S474) Polyclonal Antibody detects endogenous levels of PAK4 protein only when phosphorylated at S474.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human PAK4/5/6 around the phosphorylation site of Ser474. AA range:441-490
Other Names	PAK4; KIAA1142; Serine/threonine-protein kinase PAK 4; p21-activated kinase 4; PAK-4
Accession No.	Swiss Prot:O96013GeneID:10298
Uniprot	O96013
GeneID	10298
SDS-PAGE MW	64
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

Background

p21 (RAC1) activated kinase 4(PAK4)   Homo sapiens   PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

Note: This product is for in vitro research use only