Product Datasheet

PAK2 (Phospho-Ser197) Antibody

Catalog No: #11749

Package Size: #11749-1 50ul #11749-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

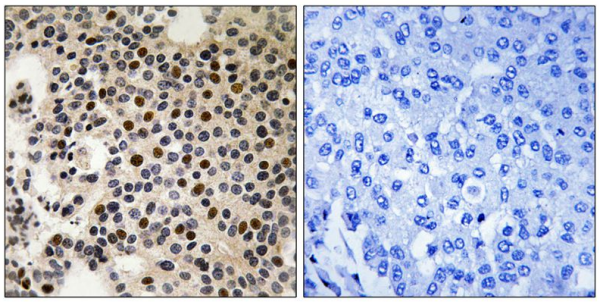
Description

Product Name	PAK2 (Phospho-Ser197) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of PAK2 only when phosphorylated at serine 197.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 197(T-R-S(p)-V-I) derived from Human PAK2.
Target Name	PAK2
Modification	Phospho
Other Names	gamma-PAK; PAK65; PAKI; PAK 2;
Accession No.	Swiss-Prot#: Q13177; NCBI Gene#: 5062; NCBI Protein#: NP_002568.2.
Uniprot	Q13177
GeneID	5062;
SDS-PAGE MW	58kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using PAK2 (Phospho-Ser197) antibody #11749 (left)or the same antibody preincubated with blocking peptide (right).

Background

The activated kinase acts on a variety of targets. Likely to be the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. Activated by CDC42 and RAC1. Involved in dissolution of stress fibers and reorganization of focal complexes. Involved in regulation of microtubule biogenesis through phosphorylation of TBCB. Activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2.

Martin G.A., EMBO J. 14:1970-1978(1995).
The MGC Project Team; Genome Res. 14:2121-2127(2004).
Olsen J.V., Cell 127:635-648(2006).

Note: This product is for in vitro research use only