PAK1(Phospho-Thr212) Antibody

Catalog No: #11154

Package Size: #11154-1 50ul #11154-2 100ul #11154-4 25ul

Overview

Product Name	PAK1(Phospho-Thr212) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	PAK1
Modification	Phospho-Thr212
Alternative Names	p21-activated kinase 1; PAK-1; p65-PAK; Alpha-PAK;

Application Details

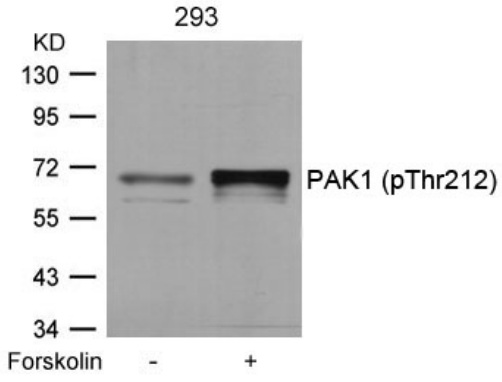
Predicted MW: 68kd

Western blotting: 1:500~1:1000

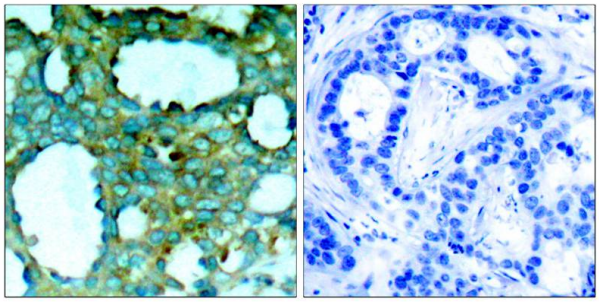
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

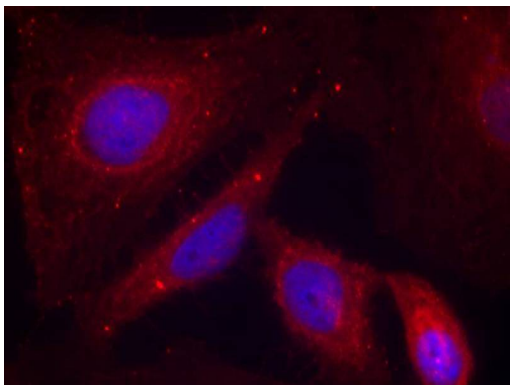
Images



Western blot analysis of extracts from 293 cells untreated or treated with forskolin using PAK1(Phospho-Thr212) Antibody #11154.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PAK1(Phospho-Thr212) Antibody #11154(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using PAK1(Phospho-Thr212) Antibody #11154.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 212 (P-V-T(p)-P-T) derived from Human PAK1.
Specificity	The antibody detects endogenous level of PAK1 only when phosphorylated at threonine 212.
Purifiction	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.
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q13153NCBI Protein: NP_001122092.1

Related Information

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.

Alexander K, et al. (2004) Mol Cell Biol; 24: 2808-2819

Thiel DA, et al. (2002) Curr Biol; 12:1227-1232

Rashid T, et al. (2001) J. Biol. Chem; 276: 49043 - 49052.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.