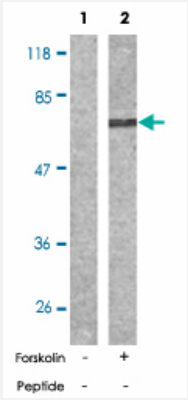
PAK1 (phospho T212) polyclonal antibody

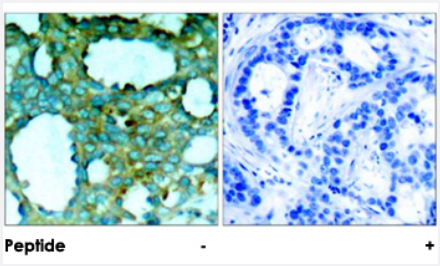
Catalog # PAB25391 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, untreated or treated with forskolin (40 uM, 30 min), using PAK1 (phospho T212) polyclonal antibody (Cat # PAB25391).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using PAK1 (phospho T212) polyclonal antibody (Cat # PAB25391).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of PAK1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T212 of human PAK1.
Sequence	P-V-Tp-P-T
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from 293 cells, untreated or treated with forskolin (40 uM, 30 min), using PAK1 (phospho T212) polyclonal antibody (Cat # PAB25391).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using PAK1 (phospho T212) polyclonal antibody (Cat # PAB25391).

Gene Info — PAK1

Entrez GeneID	5058
Protein Accession#	Q13153
Gene Name	PAK1
Gene Alias	MGC130000, MGC130001, PAKalpha
Gene Description	p21 protein (Cdc42/Rac)-activated kinase 1
Omim ID	602590
Gene Ontology	Hyperlink

Gene Summary	PAK proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nucle ar signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PA K2, PAK3 and PAK4. These proteins serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK1 regulates cell m otility and morphology. Alternativelt spliced transcript variants encoding different isoforms have be en found for this gene. [provided by RefSeq
Other Designations	STE20 homolog, yeast|p21-activated kinase 1|p21/Cdc42/Rac1-activated kinase 1 (STE20 hom olog, yeast)|p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related)

Pathway

- Axon guidance
- Chemokine signaling pathway
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- T cell receptor signaling pathway

Disease

- Carcinoma
- Esophageal Neoplasms
- HIV Infections
- Tobacco Use Disorder