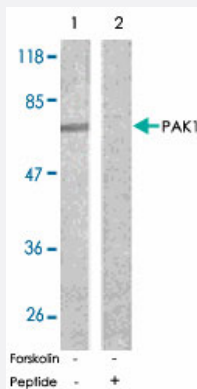


PAK1 polyclonal antibody

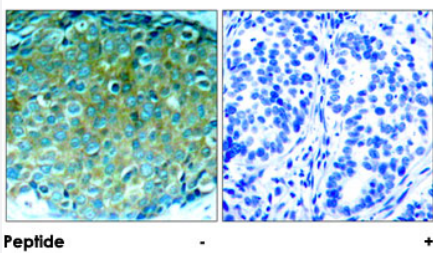
Catalog # PAB26723 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells untreated or treated with forskolin (40 uM, 30 min) using PAK1 polyclonal antibody (Cat # PAB26723).



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PAK1 polyclonal antibody (Cat # PAB26723).

Specification

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

| | |
|---------------------|--|
| Purification | Affinity chromatography |
| Concentration | 1 mg/mL |
| Recommend Usage | Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) 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 should be handled by trained staff only. |

Applications

- Western Blot (Cell lysate)

Western blot analysis of exretracts from 293 cells untreated or treated with forskolin (40 uM, 30 min) using PAK1 polyclonal antibody (Cat # PAB26723).

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PAK1 polyclonal antibody (Cat # PAB26723).

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 nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, 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 motility and morphology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

STE20 homolog, yeast|p21-activated kinase 1|p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, 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](#)