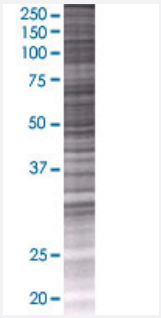
PAK1 293T Cell Transient Overexpression Lysate(Denatured)

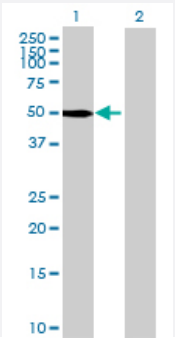
Catalog # H00005058-T01 Size 100 uL

Applications



SDS-PAGE Gel

PAK1 transfected lysate.



Western Blot

Lane 1: PAK1 transfected lysate (49.28 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PAK1 full-length
Host	Human
Theoretical MW (kDa)	49.28
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PAK1 antibody (H00005058-B01) by Western Blots. SDS-PAGE Gel PAK1 transfected lysate. Western Blot Lane 1: PAK1 transfected lysate (49.28 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PAK1

Entrez GeneID	5058
GeneBank Accession#	BC050377.1
Protein Accession#	AAH50377.1
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. Alternativelt 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