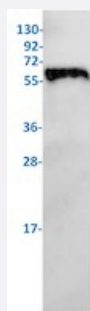


RecomAb™

PAK1 recombinant monoclonal antibody, clone R08-5I5

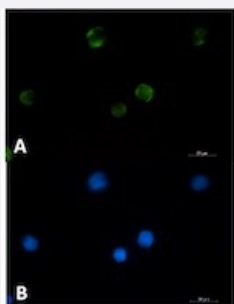
Catalog # RAB02024 Size 100 uL

Applications



Western Blot

Western blot analysis of C6 lysates with PAK1 recombinant monoclonal antibody, clone R08-5I5 (Cat # RAB02024).



Immunocytochemistry

Immunocytochemical staining of Jurkat with PAK1 recombinant monoclonal antibody, clone R08-5I5 (Cat # RAB02024). (A) PAK1 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PAK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PAK1.
Theoretical MW (kDa)	Calculated MW: 61 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
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

Western blot analysis of C6 lysates with PAK1 recombinant monoclonal antibody, clone R08-5I5 (Cat # RAB02024).

- Immunocytochemistry

Immunocytochemical staining of Jurkat with PAK1 recombinant monoclonal antibody, clone R08-5I5 (Cat # RAB02024). (A) PAK1 (green) and (B) DAPI (blue).

- Immunofluorescence

- Immunoprecipitation

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](#)