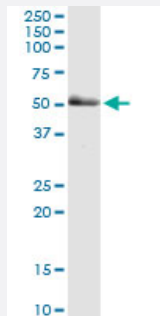


PAK2 monoclonal antibody (M01), clone 1E1

Catalog # H00005062-M01

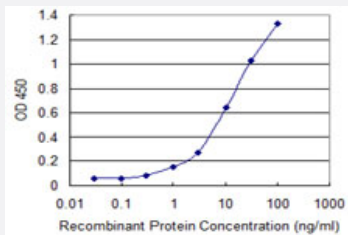
Size 100 ug

Applications



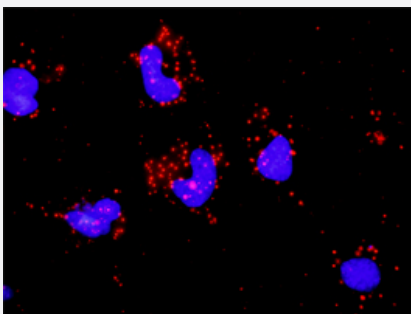
Western Blot (Tissue lysate)

PAK2 monoclonal antibody (M01), clone 1E1. Western Blot analysis of PAK2 expression in human liver.



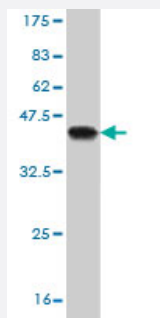
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PAK2 is 0.1 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CASP3 and PAK2. HeLa cells were stained with anti-CASP3 rabbit purified polyclonal 1:1200 and anti-PAK2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PAK2.
Immunogen	PAK2 (NP_002568, 131 a.a. ~ 230 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DSNTVKQKYLSTPPEKDGFPSTPALNAKGTEAPAVVTEEEEDDEETAPPVIAPRPDHTKSIYTRSIDPVPAPVGDSHVDGAAKSLDKQKKTKMTDE
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PAK2 monoclonal antibody (M01), clone 1E1. Western Blot analysis of PAK2 expression in human liver.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PAK2 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CASP3 and PAK2. HeLa cells were stained with anti-CASP3 rabbit purified polyclonal 1:1200 and anti-PAK2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — PAK2

Entrez GeneID [5062](#)

GeneBank Accession# [NM_002577](#)

Protein Accession# [NP_002568](#)

Gene Name PAK2

Gene Alias PAK65, PAKgamma

Gene Description p21 protein (Cdc42/Rac)-activated kinase 2

Omim ID [605022](#)

Gene Ontology [Hyperlink](#)

Gene Summary The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. [provided by RefSeq]

Other Designations S6/H4 kinase|p21 (CDKN1A)-activated kinase 2|p21-activated kinase 2

Pathway

- [Axon guidance](#)
- [ErbB signaling pathway](#)

- [Focal adhesion](#)
- [MAPK signaling pathway](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Schizophrenia](#)