

Datasheet

PAK1 monoclonal antibody (M02), clone 4D1

Catalog Number: H00005058-M02

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant PAK1.

Clone Name: 4D1

Immunogen: PAK1 (NP_002567, 191 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

APRPEHTKSVYTRSVEIPLVPTPTRDVATSPISPTENNT
TPPDALTRNTEKQKKKPKMSDEEILEKLRISIVSGDPK
KKYTRFEKIGQGA

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, S-ELISA, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5058

Gene Symbol: PAK1

Gene Alias: MGC130000, MGC130001, PAKalpha

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]

References:

1. Fragile X Related Protein 1 Clusters with Ribosomes and Messenger RNAs at a Subset of Dendritic Spines in the Mouse Hippocampus. Cook D, Del Rayo Sanchez-Carbente M, Lachance C, Radzoch D, Tremblay S, Khandjian EW, Desgroseillers L, Murai KK. PLoS One. 2011;6(10):e26120. Epub 2011 Oct 11.