Anti-PAK2 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M010619

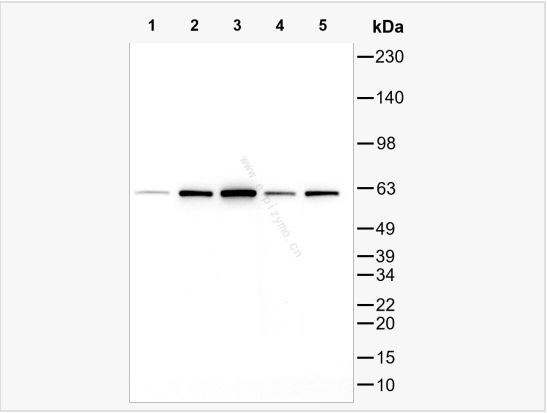
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	35M51M90
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human PAK2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PAK2 Mouse mAb [35M51M90] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	KNO2; PAK65; PAKgamma; 5330420P17Rik; A130002K10Rik; D16Ertd269e; PAK-2; mKIAA4182; gamma-PAK; PAK2_HUMAN; PAK2; S6/H4 kinase; p21-activated kinase 2 (PAK-2); p58; 2.7.11.1; PAK2_MOUSE; PAK2_RAT.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 58 kDa
Uniprot ID	Q13177
Gene ID	5062
Background	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, Jul 2008]
Cellular Location	Serine/threonine-protein kinase PAK 2 Cytoplasm Nucleus MYO18A mediates the cellular distribution of the PAK2-ARHGEF7-GIT1 complex to the inner surface of the cell membrane. PAK-2p34 Nucleus Cytoplasm Perinuclear region Membrane Lipid-anchor Interaction with ARHGAP10 probably changes PAK-2p34 location to cytoplasmic perinuclear region (PubMed:15471851). Myristoylation changes PAK-2p34 location to the membrane (PubMed:16617111).
Tissue Location	Ubiquitously expressed. Higher levels seen in skeletal muscle, ovary, thymus and spleen.

Validation Images



Western Blot - Anti-PAK2 Mouse mAb [35M51M90]
All lanes: M010619 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Predicted band size: 58 kDa
Observed band size: 58 kDa
Developed using the ECL technique (Cat. No. SQ201).