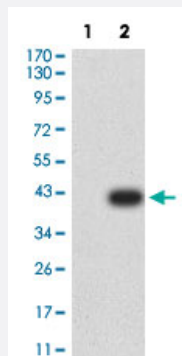


PAK3 monoclonal antibody, clone 4G8A5

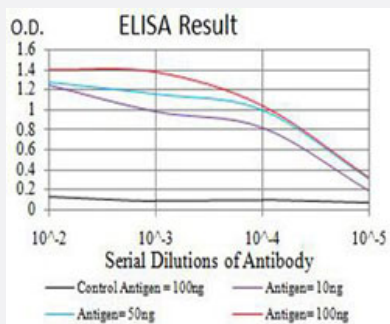
Catalog # MAB17896 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: PAK3-hlgGFc transfected HEK293 cell lysates with PAK3 monoclonal antibody, clone 4G8A5 (Cat # MAB17896).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with PAK3 monoclonal antibody, clone 4G8A5 (Cat # MAB17896).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PAK3.
Immunogen	Recombinant protein corresponding to amino acids 1-100 of human PAK3.
Host	Mouse
Theoretical MW (kDa)	62.3
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage 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 (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: PAK3-hlgGfc transfected HEK293 cell lysates with PAK3 monoclonal antibody, clone 4G8A5 (Cat # MAB17896).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with PAK3 monoclonal antibody, clone 4G8A5 (Cat # MAB17896).

Gene Info — PAK3

Entrez GeneID	5063
Protein Accession#	O75914
Gene Name	PAK3
Gene Alias	CDKN1A, MRX30, MRX47, OPHN3, PAK3beta, bPAK, hPAK3
Gene Description	p21 protein (Cdc42/Rac)-activated kinase 3
Omim ID	300142 300558
Gene Ontology	Hyperlink

Gene Summary

PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, serve as targets for the small GTP binding proteins Cdc42 and RAC and have been implicated in a wide range of biological activities. The protein encoded by this gene forms an activated complex with GTP-bound RAS-like (P21), CDC2 and RAC1 proteins which then catalyzes a variety of targets. This protein may be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. Defects in this gene are the cause of non-syndromic mental retardation X-linked type 30 (MRX30), also called X-linked mental retardation type 47 (MRX47). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

OTTHUMP00000023855|OTTHUMP00000062894|beta-PAK|oligophrenin-3|p21 (CDKN1A)-activated kinase 3|p21-activated kinase 3|p21-activated kinase-3|serine/threonine-protein kinase PAK 3

Pathway

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

Disease

- [Chronic Disease](#)
- [Cognition Disorders](#)
- [Endometrial Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Schizophrenia](#)