

PAK5/6 Polyclonal Antibody

Catalog # AP71757

Product Information

Application	WB, E
Primary Accession	Q9P286 , Q9NQU5
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80745

Additional Information

Gene ID	57144
Other Names	PAK7; KIAA1264; PAK5; Serine/threonine-protein kinase PAK 7; p21-activated kinase 5; PAK-5; p21-activated kinase 7; PAK-7; PAK6; PAK5; Serine/threonine-protein kinase PAK 6; PAK-5; p21-activated kinase 6; PAK-6
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

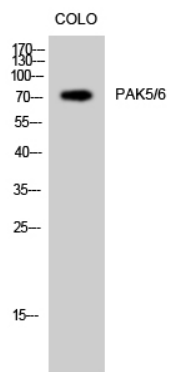
Name	PAK5 (HGNC:15916)
Synonyms	KIAA1264, PAK7
Function	Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, proliferation or cell survival. Activation by various effectors including growth factor receptors or active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates the proto-oncogene RAF1 and stimulates its kinase activity. Promotes cell survival by phosphorylating the BCL2 antagonist of cell death BAD. Phosphorylates CTNND1, probably to regulate cytoskeletal organization and cell morphology. Keeps microtubules stable through MARK2 inhibition and destabilizes the F-actin network leading to the disappearance of stress fibers and focal adhesions.
Cellular Location	Mitochondrion. Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the mitochondria, and mitochondrial localization is essential for the role in

cell survival

Tissue Location

Predominantly expressed in brain.

Images



Western Blot analysis of COLO cells using PAK5/6 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.