PAK5 rabbit pAb

Cat#: orb766020 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	PAK5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PAK7. AA range:661-710
Specificity	PAK5 Polyclonal Antibody detects endogenous levels of PAK5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Serine/threonine-protein kinase PAK 7
Gene Name	PAK7
Cellular localization	Mitochondrion. Cytoplasm. Nucleus. Shuttles between the nucleus and the mitochondria, and mitochondrial localization is essential for the role in cell survival.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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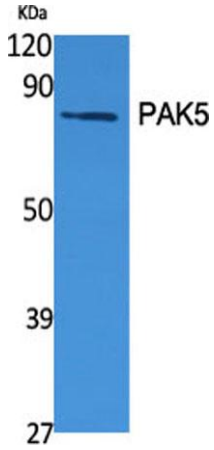
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	80kD
Human Gene ID	57144
Human Swiss-Prot Number	Q9P286
Alternative Names	PAK7; KIAA1264; PAK5; Serine/threonine-protein kinase PAK 7; p21-activated kinase 5; PAK-5; p21-activated kinase 7; PAK-7
Background	The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using PAK5 Polyclonal Antibody

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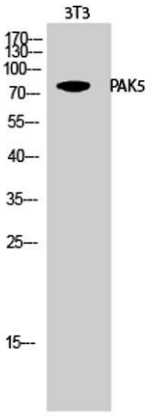
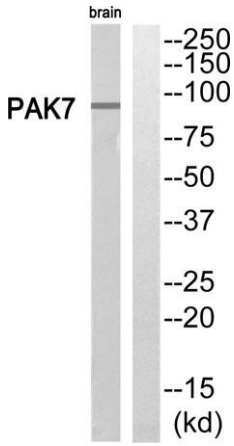
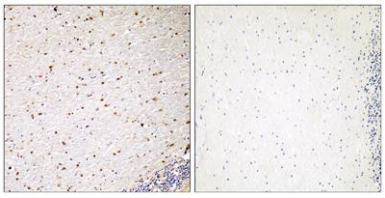


Western Blot analysis of 3T3 cells using PAK5 Polyclonal Antibody



Western blot analysis of PAK7 Antibody. The lane on the right is blocked with the PAK7 peptide.



Immunohistochemistryt analysis of paraffin-embedded human brain, using PAK7 Antibody. The lane on the right is blocked with the PAK7 peptide.

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