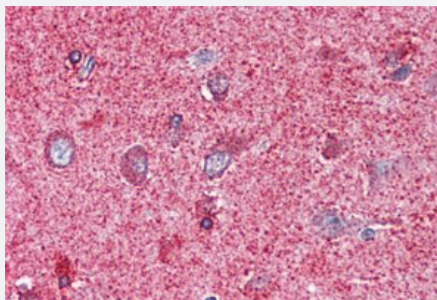


PAK7 polyclonal antibody

Catalog # PAB25580

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed, paraffin-embedded human brain, cortex tissue after heat-induced antigen retrieval. Using PAK7 polyclonal antibody (Cat # PAB25580).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PAK7.
Immunogen	A synthetic peptide corresponding to 18 amino acids at internal region of human PAK7.
Host	Rabbit
Reactivity	Human
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed, paraffin-embedded human brain, cortex tissue after heat-induced antigen retrieval.

Using PAK7 polyclonal antibody (Cat # PAB25580).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PAK7

Entrez GeneID [57144](#)

Gene Name PAK7

Gene Alias KIAA1264, MGC26232, PAK5

Gene Description p21 protein (Cdc42/Rac)-activated kinase 7

Omim ID [608038](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000030258|OTTHUMP00000030259|OTTHUMP00000030260|p21(CDKN1A)-activated kinase 7|p21-activated kinase 7|protein kinase PAK5|serine/threonine-protein kinase PAK7

Pathway

- [Axon guidance](#)

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

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)