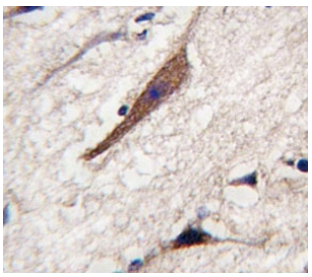
PAK5 Antibody (F50894)

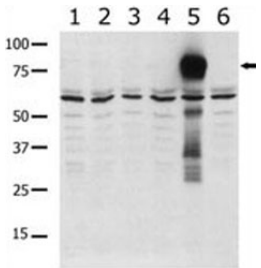
Catalog No.	Formulation	Size
F50894-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50894-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9P286
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This PAK5 antibody is available for research use only.



IHC analysis of FFPE human brain tissue stained with PAK5 antibody



Western blot analysis of PAK5 antibody in lysate from transiently transfected COS7 cells. Lane 1: negative control, and transfected lysates 2: PAK1, 3: PAK2, 4: PAK4, 5: PAK5, and 6: PAK6-expressing cells.

Description

PAK5 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.

Application Notes

Titration of the PAK5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 168-198 from the human protein was used as the immunogen for this PAK5 antibody.

Storage

Aliquot the PAK5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.