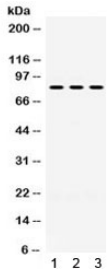
PAK5 Antibody / PAK7 (R32341)

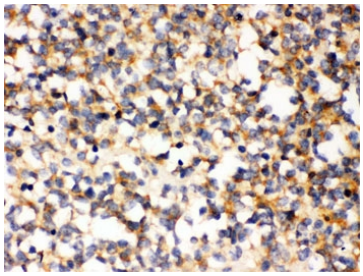
Catalog No.	Formulation	Size
R32341	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9P286
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This PAK5 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain, 3) U87 lysate with PAK5 antibody. Expected/observed molecular weight ~81 kDa.



IHC testing of FFPE human glioma tissue with PAK5 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Serine/threonine-protein kinase PAK7, also known as PAK5, is an enzyme that in humans is encoded by the PAK7 gene. 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. And this kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. In addition, 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.

Application Notes

Optimal dilution of the PAK5 antibody should be determined by the researcher.

Immunogen

Amino acids DPQEQKFTGLPQQWHSLLADTANRPKPMVD of human PAK7/5 were used as the immunogen for the PAK5 antibody.

Storage

After reconstitution, the PAK5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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