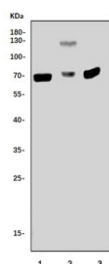


p21-activated kinase 1 Antibody / PAK1 (RQ6431)

Catalog No.	Formulation	Size
RQ6431	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	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13153
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This p21-activated kinase 1 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat PC-12 and 3) mouse brain tissue lysate with p21-activated kinase 1 antibody. Expected molecular weight: 60-70 kDa.

Description

Serine/threonine-protein kinase PAK 1 is an enzyme that in humans is encoded by the PAK1 gene. PAK proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activated kinases, include PAK1, PAK2, PAK3 and PAK4. These proteins serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK1 regulates cell motility and morphology. Alternative transcripts of this gene have been found, but their full-length natures have not yet been determined. The PAK1 gene is mapped to 11q13-q14 by inclusion within a mapped clone.

Application Notes

Optimal dilution of the p21-activated kinase 1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S2-M248) was used as the immunogen for the p21-activated kinase 1 antibody.

Storage

After reconstitution, the p21-activated kinase 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.