

PAK6 Antibody

Catalog No: #24181

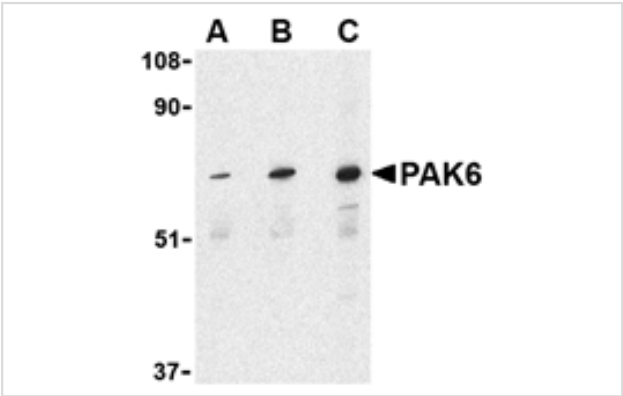


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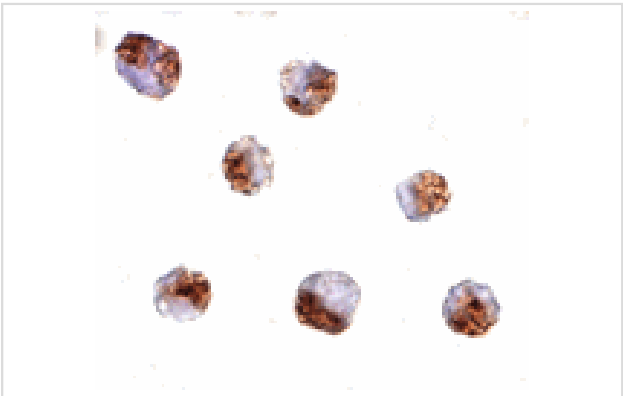
Description

Product Name	PAK6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from near the center of human PAK6.
Target Name	PAK6
Other Names	p21-activated kinase 6
Accession No.	Swiss-Prot:Q9NQU5Gene ID:106821730
Uniprot	Q9NQU5
GeneID	106821730;56924;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of PAK6 in Raji lysate with PAK6 antibody at (A) 1, (B) 2, and (C) 4 ug/mL.



Immunocytochemistry of PAK6 in Raji cells with PAK6 antibody at 10 ug/mL.

Background

The p21-activated kinases (PAKs) are serine-threonine kinases that bind to the active forms of Cdc42 and Rac. They are divided into two groups, the first of which include PAK1, 2 and 3, and can be activated by Cdc42/Rac binding. Group 1 PAKs contain an autoinhibitory domain whose activity is regulated by Cdc42/Rac binding. The group 1 PAKs are known to be involved in cellular processes such as gene transcription, apoptosis, and cell morphology and motility. Much less is known about the second group, which includes PAK4, 5 and 6. These proteins are not activated by Cdc42/Rac binding. PAK6 was initially identified as an androgen receptor in a yeast two hybrid screen and was found to be highly expressed in testis and prostate tissues. Later experiments have shown it to be activated by MAP kinase kinase 6 and p38 MAP kinase, suggesting that PAK6 may play a role in the cellular response to stress-related signals.

Note: This product is for in vitro research use only