

Datasheet for ABIN6990412
anti-PAK6 antibody (AA 260-310)



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Overview

Quantity:	0.1 mg
Target:	PAK6
Binding Specificity:	AA 260-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	PAK6 antibody was raised against a 13 amino acid synthetic peptide from near the center of human PAK6. The immunogen is located within amino acids 260 - 310 of PAK6.
Isotype:	IgG
Specificity:	PAK6 antibody is predicted to not cross-react with other PAK family proteins.
Purification:	PAK6 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PAK6
Alternative Name:	PAK6 (PAK6 Products)
Background:	PAK6 Antibody: The p21-activated kinases (PAKs) are serine-threonine kinases that bind to the

Target Details

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.

Molecular Weight: Predicted: 75 kDa
Observed: 70 kDa

Gene ID: 56924

NCBI Accession: [NP_064553](#)

UniProt: [Q9NQU5](#)

Application Details

Application Notes: PAK6 antibody can be used for the detection of PAK6 by Western blot at 1 - 4 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 10 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PAK6 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PAK6 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.