

## Datasheet for ABIN6990413 **anti-PAK7 antibody (AA 240-290)**



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### Overview

Quantity:	0.1 mg
Target:	PAK7
Binding Specificity:	AA 240-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

### Product Details

Immunogen:	PAK5 antibody was raised against a 13 amino acid synthetic peptide from near the center of human PAK5. The immunogen is located within amino acids 240 - 290 of PAK5.
Isotype:	IgG
Purification:	PAK5 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	PAK7
Alternative Name:	PAK5 ( <a href="#">PAK7 Products</a> )
Background:	PAK5 Antibody: 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

## Target Details

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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. PAK5 was initially identified as a kinase expressed primarily in brain that while possessing a kinase domain and GTPase binding domain similar to PAK4 and PAK6, is completely different from both. Expression of PAK5 in neural based cell lines resulted in neurite outgrowth suggesting that PAK5 may be involved in regulating the cytoskeletal changes necessary for promoting neurite outgrowth. Other experiments suggest that unlike the other PAKs, PAK5 may inhibit apoptosis by phosphorylating the Bcl-2 family member Bad.

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Gene ID: 57144

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UniProt: [Q9P286](#)

## Application Details

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Application Notes: PAK5 antibody can be used for the detection of PAK5 by Western blot at 2 - 4  $\mu$ g/mL. Antibody can also be used for immunocytochemistry starting at 2  $\mu$ g/mL. For immunofluorescence start at 10  $\mu$ g/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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: PAK5 Antibody is supplied in PBS containing 0.02 % sodium azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C, 4 °C

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Storage Comment: PAK5 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.