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Datasheet for ABIN500445  
**anti-PAK6 antibody (Center)**

2 Images

### Overview

Quantity:	0.1 mg
Target:	PAK6
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	13 amino acid peptide from near the center of human PAK6
Isotype:	IgG
Specificity:	This antibody detects PAK6.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography

### Target Details

Target:	PAK6
Alternative Name:	PAK6 ( <a href="#">PAK6 Products</a> )

## Target Details

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**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. Synonyms: PAK-5, PAK-6, PAK5, Serine/threonine-protein kinase PAK 6, p21-activated kinase 6

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**Gene ID:** 56924

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**NCBI Accession:** [NP\\_064553](#)

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**UniProt:** [Q9NQU5](#)

## Application Details

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**Application Notes:** ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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**Restrictions:** For Research Use only

## Handling

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**Buffer:** 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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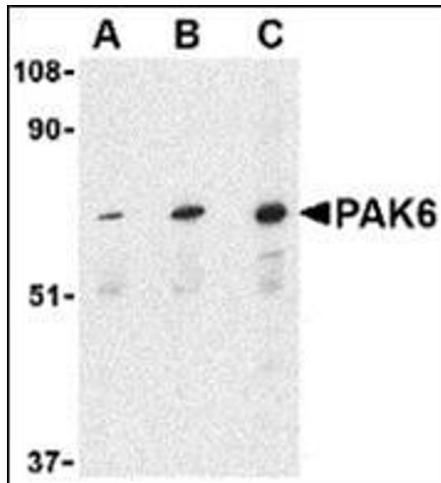
**Handling Advice:** Avoid repeated freezing and thawing.

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**Storage:** 4 °C/-20 °C

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**Storage Comment:** Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



### Western Blotting

**Image 1.** Western blot analysis of PAK6 in Raji lysate with this product at (A) 1, (B) 2, and (C) 4 µg/ml.



### Immunofluorescence

**Image 2.** Immunocytochemistry of PAK6 in Raji cells with this product at 10 µg/ml.