

Datasheet for ABIN7180220  
**anti-PAK7 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	PAK7
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human PAK7.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Target Details

Target:	PAK7
Alternative Name:	PAK5 ( <a href="#">PAK7 Products</a> )
Background:	Background: Serine/threonine protein kinase that plays a role in a variety of different signaling

## Target Details

pathways including cytoskeleton regulation, cell migration, proliferation or cell survival. Activation by various effectors including growth factor receptors or active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates the proto-oncogene RAF1 and stimulates its kinase activity. Promotes cell survival by phosphorylating the BCL2 antagonist of cell death BAD. Phosphorylates CTNND1, probably to regulate cytoskeletal organization and cell morphology. Keeps microtubules stable through MARK2 inhibition and destabilizes the F-actin network leading to the disappearance of stress fibers and focal adhesions.

Pandey A., Oncogene 21:3939-3948(2002).

Nagase T., DNA Res. 6:337-345(1999).

Deloukas P., Nature 414:865-871(2001).

Aliases: EC 2.7.11.1 antibody, KIAA1264 antibody, MGC26232 antibody, p21 activated kinase 7 antibody, p21 protein (Cdc42/Rac)-activated kinase 7 antibody, p21(CDKN1A) activated kinase 7 antibody, p21-activated kinase 5 antibody, p21-activated kinase 7 antibody, PAK 5 antibody, PAK 7 antibody, PAK-5 antibody, PAK-7 antibody, PAK5 antibody, PAK7 antibody, PAK7\_HUMAN antibody, Protein kinase PAK5 antibody, Serine/threonine protein kinase PAK 7 antibody, Serine/threonine-protein kinase PAK 7 antibody

UniProt: [Q9P286](#)

## Application Details

Application Notes: WB:1:500-1:3000, IHC:1:50-1:100,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

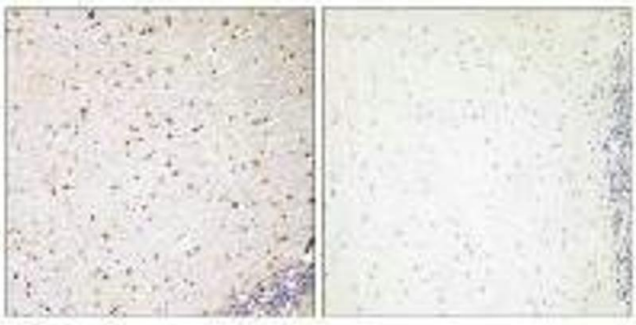
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

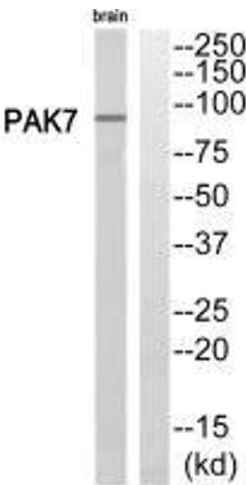
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

**Image 1.** Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PAK7 antibody.



Western Blotting

**Image 2.** Western blot analysis of extracts from rat brain cells, using PAK7 antibody.