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Anti-PAK7 Antibody
Rabbit polyclonal antibody to PAK7
Catalog # AP59858

Specification

Anti-PAK7 Antibody - Product Information

Application	**WB**
Primary Accession	Q9P286
Other Accession	Q8C015
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**80745**

Anti-PAK7 Antibody - Additional Information

Gene ID 57144

Other Names
KIAA1264; PAK5; Serine/threonine-protein kinase PAK 7; p21-activated kinase 5; PAK-5; p21-activated kinase 7; PAK-7

Target/Specificity
Recognizes endogenous levels of PAK7 protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-PAK7 Antibody - Protein Information

Name PAK5 (HGNC:15916)

Synonyms KIAA1264, PAK7

Function
Serine/threonine protein kinase that plays a role in a variety of different signaling 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.

Cellular Location
Mitochondrion. Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the mitochondria, and mitochondrial localization is essential for the role in cell survival

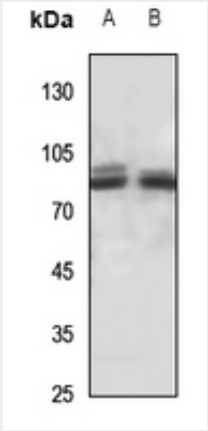
Tissue Location
Predominantly expressed in brain.

Anti-PAK7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PAK7 Antibody - Images



Western blot analysis of PAK7 expression in mouse brain (A), rat brain (B) whole cell lysates.

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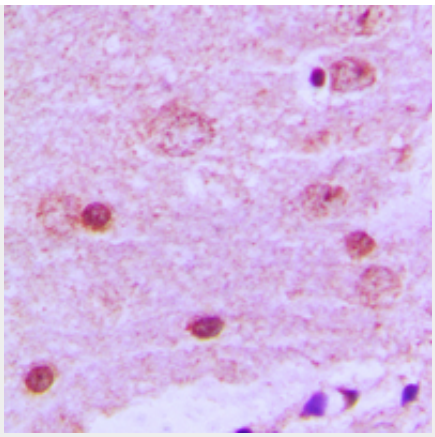

Immunohistochemical analysis of PAK7 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-PAK7 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PAK7. The exact sequence is proprietary.