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PAK5/PAK7 Blocking Peptide
Catalog # PBV10441b

Specification

PAK5/PAK7 Blocking Peptide - Product Information

Primary Accession	Q9P286
Other Accession	BAG53104
Gene ID	57144
Calculated MW	80745

PAK5/PAK7 Blocking Peptide - Additional Information

Gene ID 57144

Application & Usage	**The peptide is used for blocking the antibody activity of Pak5/Pak7. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

Other Names
Serine/threonine-protein kinase PAK 7, 2.7.11.1, p21-activated kinase 5, PAK-5, p21-activated kinase 7, PAK-7, PAK7, KIAA1264, PAK5

Target/Specificity
PAK5/PAK7

Formulation
50 µg (0.5mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
PAK5/PAK7 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

PAK5/PAK7 Blocking Peptide - 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.

PAK5/PAK7 Blocking Peptide - 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

PAK5/PAK7 Blocking Peptide - Images