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PAK6 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10715

Specification

PAK6 Antibody - Product Information

Application	**WB**
Primary Accession	Q3ULB5
Other Accession	AAI50755
Reactivity	**Human, Mouse, Rat, Pig, Horse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**74867**

PAK6 Antibody - Additional Information

Gene ID 214230

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~75 kDa of Pak6 in Western blot analysis. Reactivity to other species has not been tested.**

Other Names
Serine/threonine-protein kinase PAK 6; p21-activated kinase 6; PAK-6

Target/Specificity
PAK6

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
PAK6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PAK6 Antibody - Protein Information

Name Pak6

Function
Serine/threonine protein kinase that plays a role in the regulation of gene transcription. The kinase activity is induced by various effectors including AR or MAP2K6/MAPKK6. Phosphorylates the DNA-binding domain of androgen receptor/AR and thereby inhibits AR- mediated transcription. Inhibits also ESR1-mediated transcription. May play a role in cytoskeleton regulation by interacting with IQGAP1. May protect cells from apoptosis through phosphorylation of BAD (By similarity).

Cellular Location
Cytoplasm. Nucleus. Note=Cotranslocates into nucleus with AR in response to androgen induction.

PAK6 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

PAK6 Antibody - Images

PAK6 Antibody - Background

The PAK (p21-activated kinase) family of serine/threonine kinases plays an important role in multiple cellular processes, including cytoskeletal reorganization, MAPK signaling, apoptotic signaling, etc. Several mechanisms that induce PAK activation have been reported. Binding of Rac/cdc42 to the CRIB (or PBD) domain at the N-terminal region of PAK causes autophosphorylation and conformational change of PAK. More recently identified members PAK4, PAK5 and PAK6 have lower sequence similarity with PAK1-3 in the regulatory N-terminal region.