

PAK7 Antibody

Catalog No: #35292

Package Size: #35292-1 50ul #35292-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

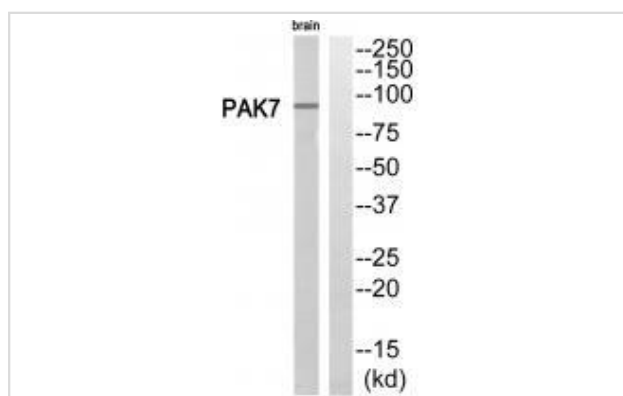
Product Name	PAK7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous levels of total PAK7 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human PAK7.
Target Name	PAK7
Other Names	KIAA1264; p21-activated kinase 7; PAK 7; PAK-5; PAK-7
Accession No.	Swiss-Prot: Q9P286NCBI Gene ID: 57144
Uniprot	Q9P286
GeneID	57144;
SDS-PAGE MW	80kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

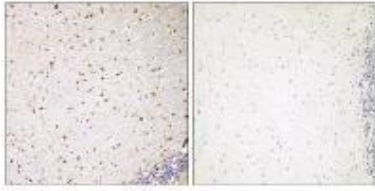
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from rat brain cells, using PAK7 antibody #35292.

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PAK7 antibody #35292.



Background

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.

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

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

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

Note: This product is for in vitro research use only