

PAK5/6 (Phospho-Ser602/Ser560) Antibody

Catalog No: #11812



Package Size: #11812-1 50ul #11812-2 100ul

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

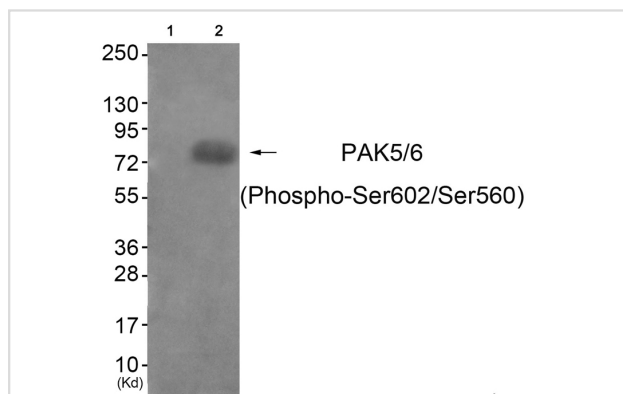
Description

| | |
|-----------------------|---|
| Product Name | PAK5/6 (Phospho-Ser602/Ser560) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of PAK5/6 only when phosphorylated at serine 602/560. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of Serine 602/560(R-K-S(p)-L-V) derived from Human PAK5/6. |
| Target Name | PAK5/6 |
| Modification | Phospho |
| Other Names | PAK5; PAK 6; kinase PAK6; |
| Accession No. | Swiss-Prot#: Q9P286/Q9NQ5; NCBI Gene#: 57144/56924; NCBI Protein#: NP_065074.1. |
| SDS-PAGE MW | 75kd |
| 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/1 year |

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa cells (Lane 2), using PAK5/6 (Phospho-Ser602/Ser560) Antibody #11812. The lane on the left is treated with antigen-specific peptide.

Background

This gene encodes a protein that shares a high degree of sequence similarity with p21-activated kinase (PAK) family members. The proteins of this family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. The protein encoded by this gene was found to interact with androgen receptor (AR), which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development.

Yang F., J. Biol. Chem. 276:15345-15353(2001).

Wagner T., Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.

Sjoebloom T., Science 314:268-274(2006).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.