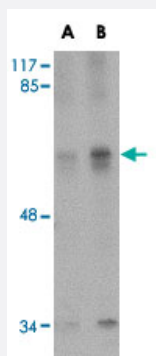


STK39 polyclonal antibody

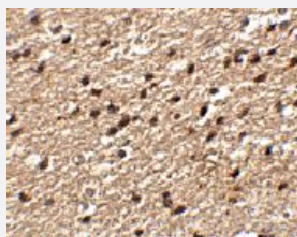
Catalog # PAB16584 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of STK39 in SK-N-SH cell lysate with STK39 polyclonal antibody (Cat # PAB16584) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry

Immunohistochemistry of STK39 in human brain tissue with STK39 polyclonal antibody (Cat # PAB16584) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of STK39.
Immunogen	A synthetic peptide corresponding to C-terminus 19 amino acids of human STK39.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of STK39 in SK-N-SH cell lysate with STK39 polyclonal antibody (Cat # PAB16584) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry

Immunohistochemistry of STK39 in human brain tissue with STK39 polyclonal antibody (Cat # PAB16584) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — STK39

Entrez GeneID	27347
Protein Accession#	NP_037365
Gene Name	STK39
Gene Alias	DCHT, DKFZp686K05124, PASK, SPAK
Gene Description	serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
Omim ID	607648
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress. [provided by RefSeq]
Other Designations	Ste20-like protein kinase proline-alanine-rich STE20-related kinase small intestine SPAK-like kinase

Publication Reference

- [Characterization of SPAK and OSR1, regulatory kinases of the Na-K-2Cl cotransporter.](#)

Gagnon KB, England R, Delpire E.

Molecular and Cellular Biology 2006 Jan; 26(2):689.

Application: WB-Re, Recombinant protein

- [SPAK kinase is a substrate and target of PKCtheta in T-cell receptor-induced AP-1 activation pathway.](#)

Li Y, Hu J, Vita R, Sun B, Tabata H, Altman A.

The EMBO Journal 2004 Mar; 23(5):1112.

Application: IP, WB-Ce, WB-Tr, Human, Jurkat E6.1 cells

- [The Ste20 group kinases as regulators of MAP kinase cascades.](#)

Dan I, Watanabe NM, Kusumi A.

Trends in Cell Biology 2001 May; 11(5):220.

Application: WB-Tr, Human, Mammalian cells

Disease

- [Autistic Disorder](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)