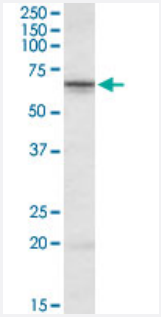
STK39 polyclonal antibody

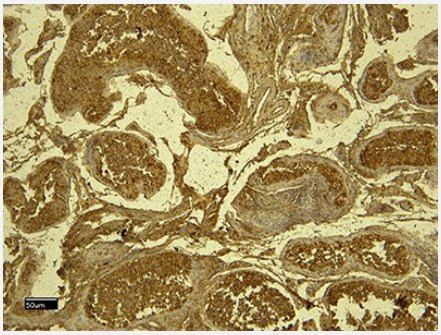
Catalog # PAB14396 Size 100 ug

Applications



Western Blot (Cell lysate)

STK39 polyclonal antibody (Cat # PAB14396) (0.5 ug/mL) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

STK39 polyclonal antibody (Cat # PAB14396) (6 ug/mL) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of STK39.
Immunogen	A synthetic peptide corresponding to human STK39.
Sequence	C-SQEKSRRVKEENPE
Host	Goat
Theoretical MW (kDa)	59.5
Reactivity	Human

Specificity	Approx 65 KDa band observed in human brain (cerebellum) lysates and in lysates of cell line Jurkat (calculated MW of 59.5 KDa according to NP_037365.2).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:4000) Immunohistochemistry (6 ug/mL) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — STK39

Entrez GeneID	27347
Protein Accession#	NP_037365.2
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

- An analysis of candidate autism loci on chromosome 2q24-q33: evidence for association to the STK39 gene.

  Ramoz N, Cai G, Reichert JG, Silverman JM, Buxbaum JD.

  American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics 2008 Oct; 147B(7):1152.

Disease

- Autistic Disorder
- Carcinoma
- Genetic Predisposition to Disease
- Hypertension
- Lung Neoplasms
- Tobacco Use Disorder