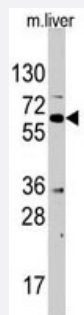


STK39 polyclonal antibody

Catalog # PAB3097

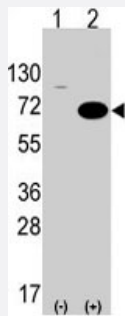
Size 400 uL

Applications



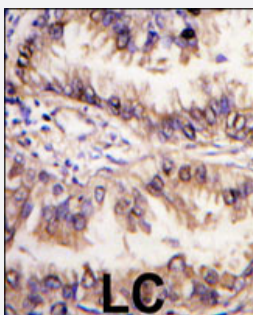
Western Blot (Tissue lysate)

Western blot analysis of STK39 polyclonal antibody (Cat # PAB3097) in mouse liver tissue lysates (35 ug/lane). STK39 (arrow) was detected using the purified polyclonal antibody.



Western Blot (Transfected lysate)

Western blot analysis of STK39 (arrow) using rabbit STK39 polyclonal antibody (Cat # PAB3097). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the STK39 gene (Lane 2) (Origene Technologies).



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

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with STK39 polyclonal antibody (Cat # PAB3097), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of STK39.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human STK39.

Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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 (Tissue lysate)

Western blot analysis of STK39 polyclonal antibody (Cat # PAB3097) in mouse liver tissue lysates (35 ug/lane). STK39 (arrow) was detected using the purified polyclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of STK39 (arrow) using rabbit STK39 polyclonal antibody (Cat # PAB3097). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the STK39 gene (Lane 2) (Origene Technologies).

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

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with STK39 polyclonal antibody (Cat # PAB3097), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Gene Info — STK39

Entrez GeneID	27347
Protein Accession#	NP_037365;Q9UEW8
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

- [PAK \(proline-alanine-rich STE20-related kinase\), a regulatory kinase of the Na-K-Cl cotransporter \(NKCC1\).](#)

Dowd BF, Forbush B.

The Journal of Biological Chemistry 2003 Jul; 278(30):27347.

- [SPAK, a STE20/SPS1-related kinase that activates the p38 pathway.](#)

Johnston AM, Naselli G, Gonez LJ, Martin RM, Harrison LC, DeAizpurua HJ.

Oncogene 2000 Aug; 19(37):4290.

Application: WB-Ti, Mouse, Pancreas, Testis, Brain, Spleen, Lung, Kidney, Liver

Disease

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