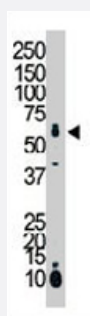


# STK39 polyclonal antibody

Catalog # PAB3184

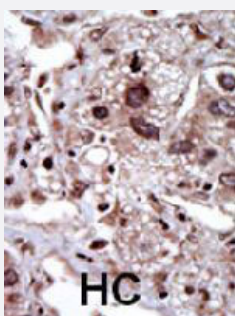
Size 400 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of STK39 polyclonal antibody (Cat # PAB3184) in mouse liver tissue lysate. STK39 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with STK39 polyclonal antibody (Cat # PAB3184), 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. HC = hepatocarcinoma.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of STK39.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to internal region of human STK39.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — STK39

<b>Entrez GeneID</b>	<a href="#">27347</a>
<b>Protein Accession#</b>	<a href="#">NP_037365;Q9UEW8</a>
<b>Gene Name</b>	STK39
<b>Gene Alias</b>	DCHT, DKFZp686K05124, PASK, SPAK
<b>Gene Description</b>	serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
<b>Omim ID</b>	<a href="#">607648</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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**

- [PASK \(proline-alanine-rich STE20-related kinase\), 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

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