

Rabbit SPAK Polyclonal Antibody | anti-STK39 antibody

SPAK Antibody (Center)

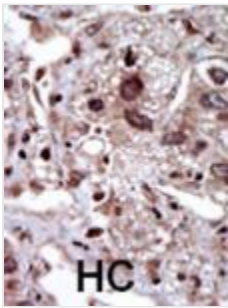
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28754	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Western Blot, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

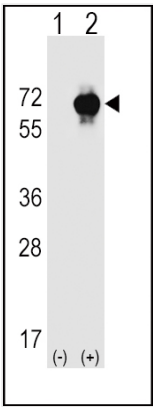
SPAK; Polyclonal Antibody; SPAK Antibody (Center); STE20/SPS1-related proline-alanine-rich protein kinase; Ste-20-related kinase; DCHT; Serine/threonine-protein kinase 39; STK39; anti-STK39 antibody

PRODUCT SPECIFICATIONS

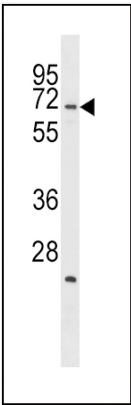
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SPAK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 346-376 amino acids from the Central region of human SPAK.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	346-376
Sequence Length	545
Applicable Applications for anti-STK39 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry)
Application Notes	WB~~1:1000
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



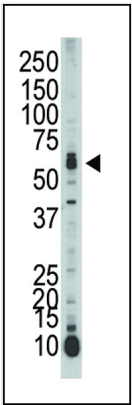
WB (Western Blot)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



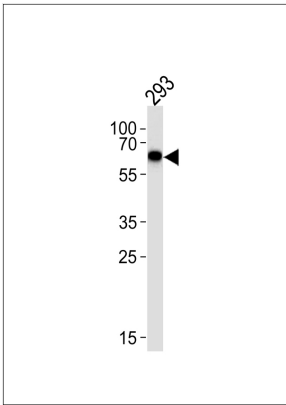
WB (Western Blot)
Western blot analysis of SPAK (arrow) using rabbit polyclonal SPAK Antibody (A363). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SPAK gene.



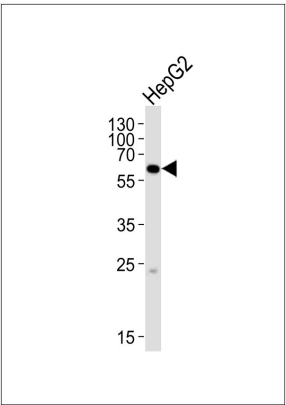
WB (Western Blot)
SPAK Antibody (A363) western blot analysis in U937 cell line lysates (35ug/lane). This demonstrates the SPAK antibody detected the SPAK protein (arrow).



WB (Western Blot)
Western blot analysis of anti-SPAK Pab in mouse liver tissue lysate. SPAK (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



WB (Western Blot)
Western blot analysis of lysate from 293 cell line, using SPAK Antibody (A363). AAA28754 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



WB (Western Blot)
Western blot analysis of lysate from HepG2 cell line, using SPAK Antibody (A363). AAA28754 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-STK39 antibody	SPAK is a serine/threonine kinase containing an N-terminal series of proline and alanine repeats (PAPA box), followed by a serine/threonine kinase catalytic domain, a nuclear localization signal, a consensus caspase cleavage recognition motif, and a C-terminal region. Northern blot analysis detects ubiquitous expression, most abundantly in brain and pancreas. SPAK can phosphorylate itself and an exogenous substrate in vitro. SPAK immunoprecipitates from transfected mammalian cells in a complex with another serine/threonine kinase that phosphorylates catalytically inactive SPAK. SPAK activates the p38 MAP kinase pathway in cotransfection assays. Full-length SPAK is expressed in the cytoplasm in transfected cells, while a mutant corresponding to caspase-cleaved STK39 localizes predominantly in the nucleus.
Product Categories/Family for anti-STK39 antibody	Crown Antibodies ; Metabolism ; Signal Transduction
References	Dowd, B.F., et al., J. Biol. Chem. 278(30):27347-27353 (2003). Johnston, A.M., et al., Oncogene 19(37):4290-4297 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430252
NCBI GeneID	27347
NCBI Accession #	NP_037365.2
NCBI GenBank Nucleotide #	NM_013233.2
UniProt Accession #	Q9UEW8 ; O14774 ; Q53S90 ; Q53SL7 ; Q53SS1 ; Q9UER4 ; X5D9C8
Molecular Weight	59474
NCBI Official Full Name	STE20/SPS1-related proline-alanine-rich protein kinase
NCBI Official Synonym Full Names	serine threonine kinase 39
NCBI Official Symbol	STK39
NCBI Official Synonym Symbols	DCHT; PASK; SPAK
NCBI Protein Information	STE20/SPS1-related proline-alanine-rich protein kinase
UniProt Protein Name	STE20/SPS1-related proline-alanine-rich protein kinase
UniProt Gene Name	STK39
UniProt Synonym Gene Names	SPAK; Ste-20-related kinase
UniProt Entry Name	STK39_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/spak-antibody-western-blot-immunohistochemistry-elisa/28754>