
Product Name: KD-Validated Serine/Threonine Kinase 39 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01298**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 59.5kDa

Antigen Information

Gene Name	STK39 STK39; Serine/Threonine Kinase 39; DCHT; SPAK; STE20/SPS1-Related Proline-Alanine-Rich Protein Kinase; Serine/Threonine-Protein Kinase 39; Ste-20-Related Kinase; EC 2.7.11.1;
Alternative Names	PASK; Serine Threonine Kinase 39 (STE20/SPS1 Homolog, Yeast); Proline-Alanine-Rich STE20-Related Kinase; Small Intestine SPAK-Like Kinase; STE20/SPS1 Homolog (Yeast); Serine Threonine Kinase 39; Ste20-Like Protein Kinase; STE20/SPS1 Homolog; EC 2.7.11
Gene ID	27347.0
SwissProt ID	Q9UEW8
Immunogen	A synthesized peptide derived from human STK39

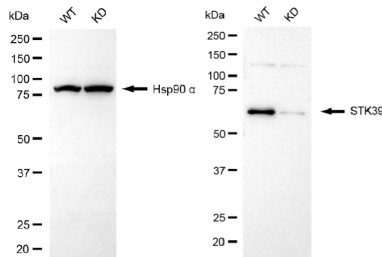
Background

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, Jul 2008]

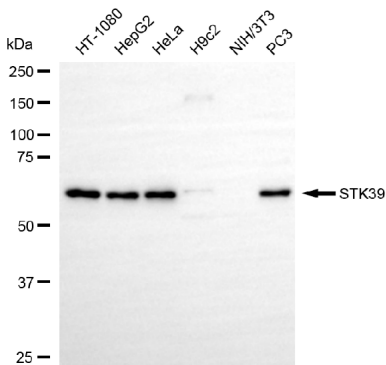
Research Area

Signal Transduction

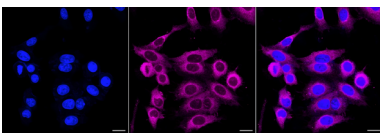
Image Data



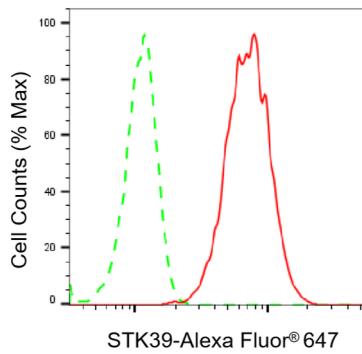
Western blotting analysis using STK39 antibody (KVA01298). STK39 expression in wild type (WT) and STK39 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with STK39 antibody (KVA01298, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using STK39 antibody (KVA01298). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with STK39 antibody (KVA01298, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with STK39 antibody (KVA01298, 1:1,000). Nuclei were stained blue with DAPI; STK39 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of STK39 expression in HepG2 cells using STK39 antibody (KVA01298, 1:2,000). Green, isotype control; red, STK39.