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Datasheet for ABIN6989664  
**anti-STK39 antibody**

### Overview

Quantity:	100 µL
Target:	STK39
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This STK39 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

### Product Details

Immunogen:	Synthetic Peptide corresponding to C terminal human SPAK.
Clone:	6H14
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	STK39
Alternative Name:	SPAK ( <a href="#">STK39 Products</a> )
Background:	Synonyms: DCHT antibody, DKFZp686K05124 antibody, OTTHUMP00000165175 antibody,

## Target Details

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PASK antibody, Proline alanine rich STE20 related kinase antibody, Serine threonine kinase 39 (STE20/SPS1 homolog yeast) antibody, Serine threonine kinase 39 antibody, Serine/threonine protein kinase 39 antibody, Serine/threonine-protein kinase 39 antibody, Small intestine SPAK like kinase antibody, SPAK antibody, Ste 20 related kinase antibody, Ste-20-related kinase antibody, Ste20 like protein kinase antibody, STE20/SPS1 homolog antibody, STE20/SPS1 related proline alanine rich protein kinase antibody, STE20/SPS1-related proline-alanine-rich protein kinase antibody, STK 39 antibody, Stk39 antibody, STK39\_HUMAN antibody

Background: The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine (Ser/Thr) protein kinases. SPAK, also known as STK39 (serine threonine kinase 39), DCHT or PASK, is a 547 amino acid protein that localizes to both the cytoplasm and the nucleus and contains one protein kinase domain. Expressed predominately in pancreas, brain, heart, lung, liver and testis, SPAK functions as a Ser/Thr protein kinase that catalyzes the ATP-dependent phosphorylation of target proteins and is thought to be involved in mediating stress-activated signals. The gene encoding SPAK maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8 % of the human genome.

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Gene ID: 27347

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UniProt: [Q9UEW8](#)

## Application Details

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Application Notes: WB 1:300-5000  
FCM 1:20-100  
IHC-P 1:200-400

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

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Preservative: ProClin

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## Handling

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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months