

## SPAK(Phospho Ser323) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14407
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human STK39 around the phosphorylation site of Ser325. AA range:291-340
<b>Mol wt</b>	59642
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	STE20/SPS1-related proline-alanine-rich protein kinase
<b>Synonyms</b>	STE20/SPS1-related proline-alanine-rich protein kinase; STK39; SPAK; STE20/SPS1-related proline-alanine-rich protein kinase; Ste-20-related kinase; DCHT; Serine/threonine-protein kinase 39

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

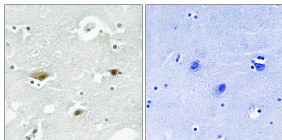
### Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human brain, using STK39 (Phospho-Ser325) Antibody. The picture on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year