

ARG64954 anti-STK39 / SPAK antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes STK39 / SPAK
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	STK39 / SPAK
Species	Human
Immunogen	C-SQEKSRRVKEENPE
Conjugation	Un-conjugated
Alternate Names	SPAK; STE20/SPS1-related proline-alanine-rich protein kinase; Ste-20-related kinase; Serine/threonine-protein kinase 39; EC 2.7.11.1; PASK; DCHT

Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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

Metabolism antibody; Signaling Transduction antibody

Calculated Mw

59 kDa

PTM

Phosphorylated at Ser-309 by PRKCQ.

Images



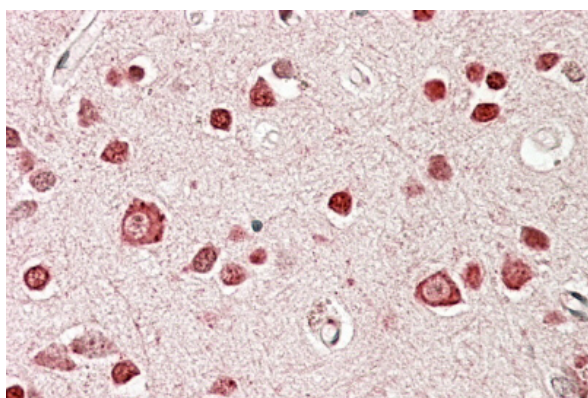
ARG64954 anti-STK39 / SPAK antibody WB image

Western Blot: Jurkat lysate (35 µg protein in RIPA buffer) stained with ARG64954 anti-STK39 / SPAK antibody at 0.5 µg/ml dilution.



ARG64954 anti-STK39 / SPAK antibody WB image

Western Blot: Mouse (A) and Rat (B) Brain (35 µg protein in RIPA buffer) stained with ARG64954 anti-STK39 / SPAK antibody at 1 µg/ml dilution.



ARG64954 anti-STK39 / SPAK antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Cerebral Cortex. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64954 anti-STK39 / SPAK antibody at 3.8 µg/ml dilution followed by AP-staining.