ARG55415
anti-STK39 / SPAK antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes STK39 / SPAK
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	STK39 / SPAK
Species	Human
Immunogen	Synthetic peptide (18 aa) within aa. 360-410 of Human STK39.
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	2.5 µg/ml
WB	1 - 2 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Rat Brain Tissue Lysate

Properties

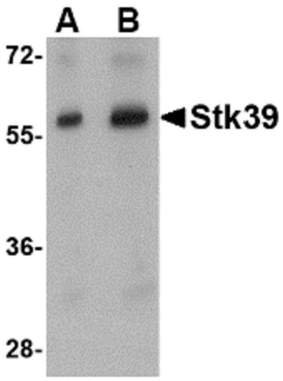
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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

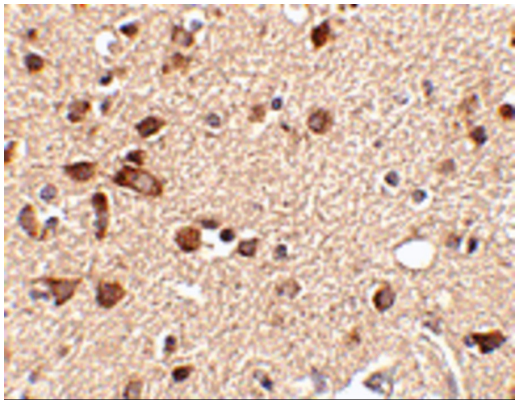
Database links	GeneID: 27347 Human GeneID: 54348 Rat Swiss-port # O88506 Rat Swiss-port # Q9UEW8 Human
Gene Symbol	STK39
Gene Full Name	serine threonine kinase 39
Background	This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is 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]
Function	May act as a mediator of stress-activated signals. Mediates the inhibiton of SLC4A4, SLC26A6 as well as CFTR activities by the WNK scaffolds, probably through phosphorylation. [UniProt]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	59 kDa
PTM	Phosphorylated at Ser-309 by PRKCQ.

Images



ARG55415 anti-STK39 / SPAK antibody WB image

Western blot: Rat brain tissue lysate stained with ARG55415 anti-STK39 / SPAK antibody at (A) 1 and (B) 2 µg/ml dilution.



ARG55415 anti-STK39 / SPAK antibody IHC image

Immunohistochemistry: Human brain tissue stained with ARG55415 anti-STK39 / SPAK antibody at 2.5 µg/ml dilution.