Anti-SPAK antibody

Description	Rabbit polyclonal to SPAK.

Model	STJ95742
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human SPAK around the non-phosphorylation site of S311.
Immunogen Region	250-330 aa
Gene ID	27347
Gene Symbol	STK39
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	SPAK Polyclonal Antibody detects endogenous levels of SPAK protein.
Tissue Specificity	Predominantly expressed in brain and pancreas followed by heart, lung, kidney, skeletal muscle, liver, placenta and testis.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	STE20/SPS1-related proline-alanine-rich protein kinase Ste-20-related kinase DCHT Serine/threonine-protein kinase 39
Molecular Weight	60 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17717OMIM:607648
Alternative Names	STE20/SPS1-related proline-alanine-rich protein kinase Ste-20-related kinase DCHT Serine/threonine-protein kinase 39
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.
Sequence and Domain Family	PAPA box (proline-alanine repeats) may target the kinase to a specific subcellular location by facilitating interaction with intracellular proteins such as actin or actin-like proteins.
Cellular Localization	Cytoplasm Nucleus. Nucleus when caspase-cleaved.
Post-translational Modifications	Phosphorylated at Ser-309 by PRKCQ.