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Datasheet

STK39 polyclonal antibody

Catalog Number: PAB14396

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against synthetic peptide of STK39.

Immunogen: A synthetic peptide corresponding to human STK39.

Sequence: C-SQEKSRRVKEENPE

Host: Goat

Theoretical MW (kDa): 59.5

Reactivity: Human

Applications: ELISA, IHC-P, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: Approx 65 KDa band observed in human brain (cerebellum) lysates and in lysates of cell line Jurkat (calculated MW of 59.5 KDa according to NP_037365.2).

Form: Liquid

Purification: Antigen affinity purification

Concentration: 0.5 mg/mL

Recommend Usage: ELISA (1:8000)
Western Blot (0.3-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 27347

Gene Symbol: STK39

Gene Alias: DCHT, DKFZp686K05124, PASK, SPAK

Gene Summary: 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]

References:

1. An analysis of candidate autism loci on chromosome 2q24-q33: evidence for association to the STK39 gene. Ramoz N, Cai G, Reichert JG, Silverman JM, Buxbaum JD. Am J Med Genet B Neuropsychiatr Genet. 2008 Oct 5;147B(7):1152-8.