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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09416 - Goat Anti-STK39 / SPAK Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STK39, serine threonine kinase 39 (STE20/SPS1 homolog, yeast), DCHT, DKFZp686K05124, PASK, SPAK, Ste20-like protein kinase, proline-alanine-rich STE20-related kinase, small intestine SPAK-like kinase

Official Symbol: STK39

Accession Number(s): NP_037365.2

Human GeneID(s): [27347](#)

Non-Human GeneID(s): 53416 (mouse), 54348 (rat)

Immunogen

Peptide with sequence C-SQEKSRRVKEENPE, from the internal region of the protein sequence according to NP_037365.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 65kDa band observed in Human Brain (Cerebellum) lysates and in lysates of cell line Jurkat (calculated MW of 59.5kDa according to NP_037365.2). Approx 75kDa band observed in Mouse and Rat Brain lysates (calculated MW of 60.3kDa according to Mouse NP_058562.1). Recommended concentration: 0.3-1µg/ml.

IHC: In paraffin embedded Human Cerebral Cortex shows textured staining in the neurons. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog

EB09416 (0.5µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

EB09416 (1µg/ml) staining of Mouse (A) and Rat (B) Brain (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09416 (3.8µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.