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**DATA SHEET**

# Goat anti-STK39 / SPAK Antibody

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| **Item Number** | dAP-1828 |
| **Target Molecule** | Principle Name: STK39 / SPAK; Official Symbol: STK39; All Names and Symbols: 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; Accession Number (s): NP_037365.2; Human Gene ID(s): 27347; Non-Human GeneID(s): 53416 (mouse) 54348 (rat) |
| **Immunogen** | SQEKSRRVKEENPE, is from internal region |
| **Applications** | Pep ELISA, WB, IHC |
| | Species Tested: Human, Mouse, Rat |
| **Purification** | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| **Supplied As** | lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Peptide ELISA** | Peptide ELISA: antibody detection limit dilution 1 to 8000. |
| **Western Blot** | 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 accor |
| **IHC** | Immunohistochemistry: In paraffin embedded Human Cerebral Cortex shows textured staining in the neurons. Recommended concentration, 3-5μg/ml. |
| **Reference** | Reference(s): Ramoz N, Cai G, Reichert JG, Silverman JM, Buxbaum JD. An analysis of candidate autism loci on chromosome 2q24-q33: evidence for association to the STK39 gene. Am J Med Genet B Neuropsychiatr Genet. 2008 Oct 5;147B(7):1152-8.PMID: 18348195-> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only