

Goat anti-PSPH Antibody

Item Number	dAP-1786
Target Molecule	Principle Name: PSPH; Official Symbol: PSPH; All Names and Symbols: PSPH; phosphoserine phosphatase; PSP; L-3-phosphoserine phosphatase; O-phosphoserine phosphohydrolase; OT-THUMP00000025059; PSPase; Accession Number (s): NP_004568.2; Human Gene ID(s): 5723; Non-Human GeneID(s): 100678 (mouse) 304429 (rat)
Immunogen	RQQVKDNAKYITD, is from C Terminus
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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; Reconstitute 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. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 26kDa band observed in Human Brain (Hippocampus) and in Mouse brain lysates (calculated MW of 25.0kDa according to Human NP_004568.2 and 25.1kDa according to Mouse NP_598661.1). Recommended concentration: 0.05-1µg/ml.
IHC	
Reference	Reference(s): Veeranna, Shetty KT. Phosphoserine phosphatase of human brain: partial purification, characterization, regional distribution, and effect of certain modulators including psychoactive

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**