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Goat anti-STX1A / STX1B Antibody

Item Number	dAP-0712
Target Molecule	Principle Name: STX1A / STX1B; Official Symbol: STX1A / STX1B; All Names and Symbols: STX1A; syntaxin 1A (brain) ; HPC-1; STX1; p35-1; SYN1A; OTTHUMP00000174615; OTTHUMP00000174616; OTTHUMP00000174617; OTTHUMP00000174618; neuron-specific antigen HPC-1; syntaxin-1A; STX1B; syntaxin 1B; STX1B1; STX1B2; FP17469; OTTHUMP00000163224; syntaxin 1; Accession Number (s): NP_004594.1; NP_001159375.1; NP_443106.1; Human Gene ID(s): 6804; 112755; Non-Human GeneID
Immunogen	KDRTQELRTAKD, is from N Terminus Please note this product is expected to recognize the products of 2 different genes. STX1A (NP_004594.1and NP_001159375.1) and STX1B (NP_443106.1).
Applications	Pep ELISA, WB Species Tested: 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; 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. 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 35kDa band observed in Mouse Brain lysates (calculated MW of 33.0kDa according to NP_004594.1 and 33.2kDa according to NP_443106.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	
Reference	Reference(s): Kang Y, Leung YM, Manning-Fox JE, Xia F, Xie H, Sheu L, Tsushima RG, Light PE, Gaisano HY. Syntaxin-1A inhibits cardiac KATP channels by its actions on nucleotide binding folds 1 and 2 of sulfonylurea receptor 2A. J Biol Chem. 2004 Nov 5;279(45):47125-31. Epub 2004 Aug 31. .PMID: 15339904 -

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