

## Goat anti-Synaptotagmin I Antibody

<b>Item Number</b>	dAP-1749
<b>Target Molecule</b>	Principle Name: Synaptotagmin I; Official Symbol: SYT1; All Names and Symbols: synaptotagmin I ; DKFZp781D2042; SYT1; P65; SVP65; SYT; synaptotagmin 1; Accession Number (s): NP_005630.1; Human Gene ID(s): 6857; Non-Human GeneID(s): 20979 (mouse) 25716 (rat)
<b>Immunogen</b>	RDLQSAEKEEQEK, is from internal region Reported isoforms NP_005630.1, NP_001129277.1 and NP_001129278.1 represent identical protein.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 2000.
<b>Western Blot</b>	Western Blot: Approx. 65kDa band observed in Human Brain (hippocampus) and Mouse and Rat Brain lysates (calculated MW of 47.6kDa according to NP_005630.1). The observed molecular weight corresponds to earlier findings in literature with different antibody
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Brain shows vesicular staining in neuronal cell and axon. Recommended concentration: 4-6µg/ml.
<b>Reference</b>	Reference(s): Martens S, Kozlov MM, McMahon HT. How synaptotagmin promotes membrane fusion. Science. 2007 May 25;316(5828):1205-8. Epub 2007 May 3..PMID: 17478680 ->

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**