

## Goat anti-Synaptotagmin-2 Antibody

<b>Item Number</b>	dAP-2285
<b>Target Molecule</b>	Principle Name: Synaptotagmin-2; Official Symbol: SYT2; All Names and Symbols: SYT2; synaptotagmin II; FLJ42519; SytII; synaptotagmin 2; synaptotagmin-2; Accession Number (s): NP_796376.2; Human Gene ID(s): 127833; Non-Human GeneID(s): 20980 (mouse) 24805 (rat)
<b>Immunogen</b>	KPEEEVDALLGKNK, is from C Terminus Reported variants represent identical protein: NP_001129976.1, NP_796376.2
<b>Applications</b>	Pep ELISA, WB  Species Tested: Mouse
<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 128000.
<b>Western Blot</b>	Western Blot: Approx 50kDa band observed in Mouse Lung lysates (calculated MW of 47.2kDa according to Mouse NP_033333.2). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Young SM, Neher E, Synaptotagmin has an essential function in synaptic vesicle positioning for synchronous release in addition to its role as a calcium sensor. Neuron 2009 Aug 63 (4): 482-96..PMID: 19709630->

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**