

# Immunotag™ Synaptotagmin Antibody

Antibody Specification	
Catalog No.	ITA1821
Product Description	Immunotag™ Synaptotagmin Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Synaptotagmin
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Synaptotagmin
Specificity	Synaptotagmin Antibody detects endogenous levels of total Synaptotagmin
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SYT1
Accession No.	P21579/Q8N9I0
Alternate Names	DKFZp781D2042; FLJ42519; p65; SVP65; Synaptotagmin 2; Synaptotagmin I; Synaptotagmin II; Synaptotagmin-1; SYT; Syt1; SYT1_HUMAN; Syt2; SytI; Synaptotagmin 2; Synaptotagmin II; Synaptotagmin-2; Synaptotagmin2; SynaptotagminII; SYT 2; Syt II; Syt2; SYT2_HUMAN; SytII;

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Description	May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone. A Ca <sup>2+</sup> -dependent interaction between synaptotagmin and putative receptors for activated protein kinase C has also been reported. It can bind to at least three additional proteins in a Ca <sup>2+</sup> -independent manner; these are neuexins, syntaxin and AP2. Plays a role in dendrite formation by melanocytes (PubMed:23999003).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	65kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.