Immunotag™ Phospho-Synaptotagmin (Thr202) Antibody

Antibody Specification

Catalog No.	ITA0995
Product Description	Immunotag™ Phospho-Synaptotagmin (Thr202) 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	Phospho-Synaptotagmin (Thr202)
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 around the phosphorylation site of Threonine 202
Specificity	Phospho-Synaptotagmin (Thr202) Antibody detects endogenous levels of Synaptotagmin only when phosphorylated at Threonine 202
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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 Ca2+-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 Ca2+-independent manner; these are neurexins, syntaxin and AP2. Plays a role in dendrite formation by melanocytes (PubMed:23999003).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	60kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.