

Immunotag™ Synaptotagmin XI Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4487
Product Description	Immunotag™ Synaptotagmin XI Polyclonal Antibody
Size	50 µg, 100 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 XI
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Synaptotagmin XI, at AA range: 150-230
Specificity	Synaptotagmin XI Polyclonal Antibody detects endogenous levels of Synaptotagmin XI protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SYT11
Accession No.	Q9BT88 Q9R0N3 O08835
Alternate Names	SYT11; KIAA0080; Synaptotagmin-11; Synaptotagmin XI; SytXI

Antibody Specification

Description	synaptotagmin 11(SYT11) Homo sapiens This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that are known calcium sensors and mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. The encoded protein is also a substrate for ubiquitin-E3-ligase parkin. The gene has previously been referred to as synaptotagmin XII but has been renamed synaptotagmin XI to be consistent with mouse and rat official nomenclature. [provided by RefSeq, Apr 2010],
Protein Expression	Amygdala,Bone marrow,Brain,Lymph,
Subcellular Localization	phagocytic cup,lysosome,plasma membrane,integral component of plasma membrane,synaptic vesicle,postsynaptic density,cell junction,axon,synaptic vesicle membrane,early phagosome,neuron projection,dendritic spine,cell body,
Protein Function	cofactor:Binds 3 calcium ions per subunit. The ions are bound to the C2 domains.,function:May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.,PTM:Ubiquitinated and targeted to the proteasome complex for degradation.,similarity:Belongs to the synaptotagmin family.,similarity:Contains 2 C2 domains.,subcellular location:In substantia nigra, observed in neuronal cell bodies and neurites. Found in the core of the Lewy bodies in the brain of sporadic Parkinson disease patients.,subunit:Homodimer. Can also form heterodimers (By similarity). Interacts with PARK2.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.