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Immunotag™ SV2A Polyclonal Antibody

Antibody Specification

Catalog No.	ITN1382
Product Description	Immunotag™ SV2A 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	SV2A
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SV2A Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SV2A KIAA0736 PSEC0174
Accession No.	Q7L0J3 Q9JIS5 Q02563
Description	synaptic vesicle glycoprotein 2A(SV2A) Homo sapiens The protein encoded by this gene is one of three related synaptic vesicle proteins. The encoded protein may interact with synaptotagmin to enhance low frequency neurotransmission in quiescent neurons. [provided by RefSeq, Jun 2016],
Cell Pathway/ Category	ECM-receptor interaction,

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Protein Expression	Brain,Brain cortex,Ovary,Retina,Teratocarcinoma,
Subcellular Localization	cytoplasm,endoplasmic reticulum,plasma membrane,cell-cell junction,synaptic vesicle,integral component of membrane,synaptic vesicle membrane,neuromuscular junction,neuron projection,terminal bouton,presynaptic active zone,
Protein Function	function:Plays a role in the control of regulated secretion in neural and endocrine cells, enhancing selectively low-frequency neurotransmission. Positively regulates vesicle fusion by maintaining the readily releasable pool of secretory vesicles.,miscellaneous:Identified as the brain binding-site for the antiepileptic drug levetiracetam/lev.,PTM:N-glycosylated.,PTM:Phosphorylation by CK1 of the N-terminal cytoplasmic domain regulates interaction with SYT1.,similarity:Belongs to the major facilitator superfamily.,subcellular location:Enriched in chromaffin granules, not present in adrenal microsomes. Associated with both insulin granules and synaptic-like microvesicles in insulin-secreting cells of the pancreas.,subunit:Interacts with SYT1/synaptotagmin-1 in a calcium-dependent manner. Binds the adapter protein complex AP-2.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.