

# Immunotag™ SYT7 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1391
Product Description	Immunotag™ SYT7 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	SYT7
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,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SYT7 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	SYT7 PCANAP7
Accession No.	O43581 Q9R0N7

## Antibody Specification

Description	synaptotagmin 7(SYT7) Homo sapiens This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. A similar protein in rodents mediates hormone secretion and lysosome exocytosis. In humans, expression of this gene has been associated with prostate cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011],
Protein Expression	Lung,
Subcellular Localization	lysosome,lysosomal membrane,peroxisome,peroxisomal membrane,cytosol,plasma membrane,synaptic vesicle,membrane,integral component of membrane,cell junction,phagocytic vesicle membrane,synaptic vesicle membrane,dense core granu
Protein Function	cofactor:Binds 3 calcium ions per subunit. The ions are bound to the C2 domains.,domain:The second C2 domain/C2B is responsible for SYNCRIP binding.,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.,similarity:Belongs to the synaptotagmin family.,similarity:Contains 2 C2 domains.,subunit:Interacts with SYNCRIP isoform 3 C-terminus.,tissue specificity:Expressed abundantly in brain (frontal and temporal lobes, hippocampus, hypothalamus, amygdala, substantia nigra, and pituitary), kidney, and prostate. Expressed in fetal brain, kidneys and lung.,tissue specificity:Expressed in a variety of adult and fetal tissues.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.