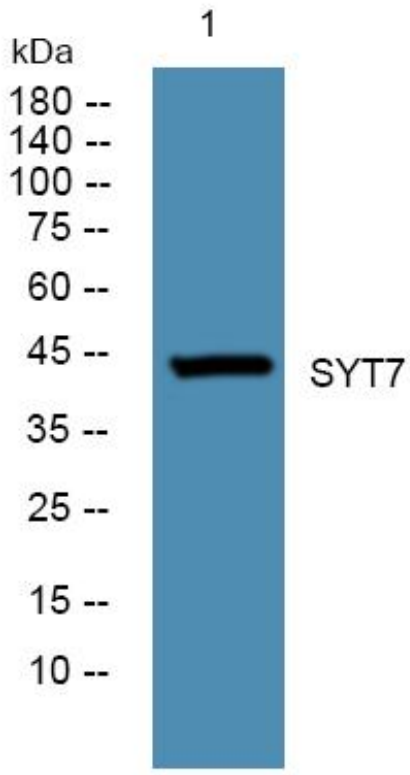
SYT7 Monoclonal Antibody

Catalog No	YP-mAb-06261
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SYT7 PCANAP7
Protein Name	Synaptotagmin-7 (IPCA-7) (Prostate cancer-associated protein 7) (Synaptotagmin VII) (SytVII)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SYT7 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	44kD
Cell Pathway	Cell membrane ; Single-pass membrane protein . Cell junction, synapse, presynaptic cell membrane ; Single-pass membrane protein . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Single-pass membrane protein . Lysosome membrane ; Single-pass membrane protein . Cytoplasmic vesicle, phagosome membrane ; Single-pass membrane protein . Peroxisome membrane ; Single-pass membrane protein . Cytoplasmic vesicle, secretory vesicle membrane ; Single-pass membrane protein . Localization to lysosomes is dependent on N-terminal palmitoylation and interaction with CD63. .
Tissue Specificity	Expressed in a variety of adult and fetal tissues.
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.,
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SYT7 Monoclonal Antibody