

Rabbit Synaptotagmin 1/2 Polyclonal Antibody | anti-Syt1 antibody

Synaptotagmin 1/2 antibody

CATALOG # AAA107744	HOST Rabbit	APPLICATIONS Western Blot, Immunofluorescence
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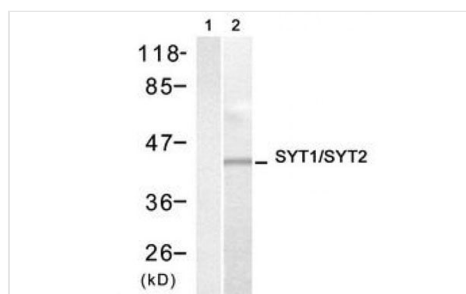
PRODUCT SYNONYMS

Synaptotagmin 1/2; Polyclonal Antibody; Synaptotagmin 1/2 antibody; Polyclonal Synaptotagmin 1/2; Anti-Synaptotagmin 1/2; Ab 202/199; SVP65; SYT; P65; anti-Syt1 antibody

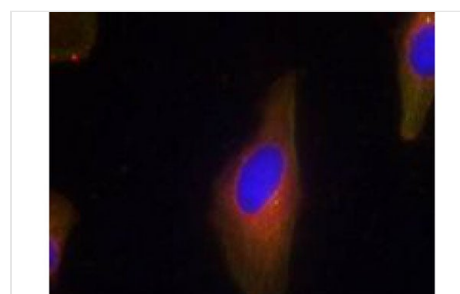
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Synaptotagmin 1/2 antibody was purified by immunoaffinity chromatography.
Form/Format	Supplied in liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	472
Applicable Applications for anti-Syt1 antibody	WB (Western Blot), IF (Immunofluorescence)
Biological Significance	The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. SYT1 is the master switch responsible for allowing the human brain to release neurotransmitters.
Cross-Reactivity	Human, Mouse, Rat
Immunogen	Synaptotagmin 1/2 antibody was raised in Rabbit using the peptide sequence around aa 200~204/197~201 (R-K-T-L-N) derived from Human as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western Blot analysis of extracts from HeLa cells using Synaptotagmin 1/2 antibody and the same antibody preincubated with blocking peptide.


IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using Synaptotagmin 1/2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-Syt1 antibody	Rabbit polyclonal Synaptotagmin 1/2 antibody
Product Categories/Family for anti-Syt1 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	442625570
NCBI GeneID	33473
NCBI Accession #	NP_995619.2
NCBI GenBank Nucleotide #	NM_205897.2
Molecular Weight	18,643 Da
NCBI Official Full Name	synaptotagmin 1, isoform E
NCBI Official Synonym Full Names	Synaptotagmin 1
NCBI Official Symbol	Syt1
NCBI Official Synonym Symbols	CG3139; D. Syt I; DmelCG3139; Droso1; DSypt; dSYT; DSyt; DSYT; dsyt1; Dsyt2; DSYT2; dsytl; I(2)23AB1; I(2)23Ba; I(2)k05909; STY1; syt; Syt; SYT; syt 1; Syt 1; syt I; Syt I; SYT I; syt-1; Syt-1; syt1; SYT1; sytl; Sytl
NCBI Protein Information	CG3139 gene product from transcript CG3139-R1
UniProt Protein Name	Synaptotagmin 1
UniProt Gene Name	Syt1
UniProt Synonym Gene Names	syt
UniProt Entry Name	SY65_DROME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.