

Rabbit SYT1 Polyclonal Antibody | anti-SYT1 antibody

SYT1 Antibody (C-term)

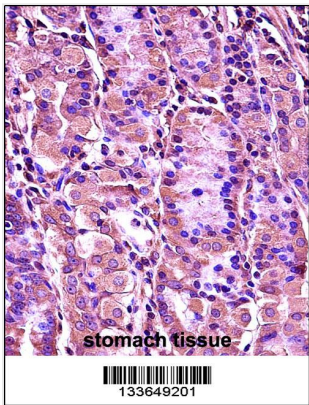
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286083	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Monkey, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

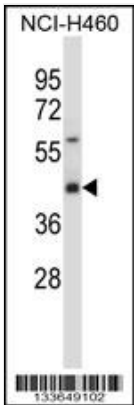
SYT1; Polyclonal Antibody; SYT1 Antibody (C-term); Synaptotagmin-1; Synaptotagmin I; SytI; p65; SVP65; SYT; anti-SYT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Monkey, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SYT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-377 amino acids from the C-terminal region of human SYT1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	349-377
Sequence Length	422
Applicable Applications for anti-SYT1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
SYT1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SYT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SYT1 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the SYT1 antibody detected the SYT1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SYT1 antibody	The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al., 2001 [PubMed 11242035]).
Product Categories/Family for anti-SYT1 antibody	Cancer; Neuroscience; Signal transduction
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Musch, M.W., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 298 (2), G203-G211 (2010) : Kathir, K.M., et al. Biochim. Biophys. Acta 1798(2):297-302(2010) Pattaro, C., et al. BMC Med. Genet. 11, 41 (2010) : Hamdan, F.F., et al. Ann. Neurol. 65(6):748-753(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209447070
NCBI GeneID	6857
NCBI Accession #	NP_001129277.1; NP_001129278.1; NP_005630.1
NCBI GenBank Nucleotide #	NM_001135805.1
UniProt Accession #	P21579; Q6AI31
Molecular Weight	47573
NCBI Official Full Name	synaptotagmin-1 isoform 1
NCBI Official Synonym Full Names	synaptotagmin I
NCBI Official Symbol	SYT1
NCBI Official Synonym Symbols	P65; SYT; SVP65
NCBI Protein Information	synaptotagmin-1
UniProt Protein Name	Synaptotagmin-1

UniProt Gene Name	SYT1
UniProt Synonym Gene Names	SVP65; SYT; Sytl
UniProt Entry Name	SYT1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/syt1-antibody-immunohistochemistry-western-blot-elisa/286083>