Rabbit SYT1 Polyclonal Antibody | anti-SYT1 antibody

SYT1 antibody (Ser309)

CATALOG #	HOST	APPLICATIONS
AAA107935	**Rabbit**	**Immunohistochemistry, Western Blot**

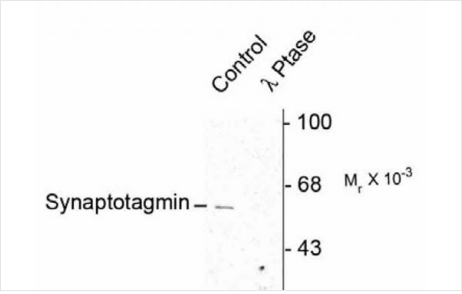
PRODUCT SYNONYMS

SYT1; Polyclonal Antibody; SYT1 antibody (Ser309); Polyclonal SYT1; Anti-SYT1; SYT 1; SYT-1; Synaptotagmin 1; P65; SVP65; SYT; anti-SYT1 antibody

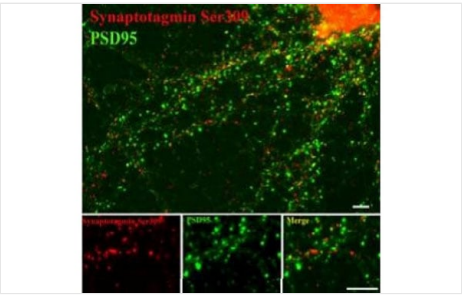
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	SYT1 antibody was purified by affinity chromatography
Form/Format	Supplied in liquid form in 10 mM HEPES buffer (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol
Sequence Length	422
Applicable Applications for anti-SYT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	SYT1 is a protein that in humans is encoded by the SYT1 gene. 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 I participates in triggering neurotransmitter release at the synapse.

IMAGES



WB (Western Blot)
Western blot of rat cortex lysate showing specific immunolabeling of ~62k synaptotagminphosphorylated at Ser309 (Control



IF (Immunofluorescence)
Immunofluorescent staining of 14 DIV rat cortical neurons showing SYT1 whenphosphorylated at Ser309 in red and PSD95 in green.

ADDITIONAL INFORMATION

Related Product Information for anti-SYT1 antibody	Rabbit polyclonal SYT1 antibody (Ser309)
Product Categories/Family for anti-SYT1 antibody	Cell Biology; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	37589130

NCBI GeneID	6857
UniProt Accession #	P21579; Q6AI31
Molecular Weight	47,573 Da
NCBI Official Full Name	SYT1 protein
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; SytI
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://www.aaabiotech.com/polyclonal/syt1-antibody-immunohistochemistry-western-blot-elisa/107935