

Rabbit Synaptotagmin Polyclonal Antibody | anti-SYT1 antibody

Synaptotagmin (Phospho-Thr202) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304877	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

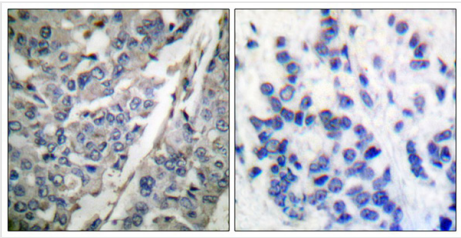
PRODUCT SYNONYMS

Synaptotagmin; Polyclonal Antibody; Synaptotagmin (Phospho-Thr202) Antibody; LAG; LAP18; STN1; Prosolin; stathmin; anti-SYT1 antibody

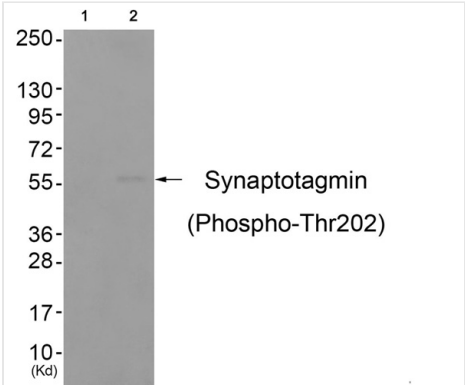
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of Synaptotagmin only when phosphorylated at threonine 202.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	422
Applicable Applications for anti-SYT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 202(R-K-T(p)-L-N) derived from Human Synaptotagmin.
Modification	Phospho-Thr202
Target Name	Synaptotagmin
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Synaptotagmin (phospho-Thr202) antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)
Western blot analysis of extracts from colo cells (Lane 2), using Synaptotagmin (Phospho-Thr202) Antibody. The lane on the left is treated with antigen-specific peptide.

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 I participates in triggering neurotransmitter release at the synapse. E Carafoli, Crit. Rev. Biochem. Mol. Biol., Apr 2001; 36: 107.Gry Houeland, J Neurophysiol, Jan 2007; 97: 134 - 143.Christelle Carteron, J. Cell Sci., Mar 2006; 119: 898 - 909.Vladimir I. Slepnev, Science, Aug 1998; 281: 821.
Product Categories/Family for anti-SYT1 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	209447070
NCBI GeneID	6857
NCBI Accession #	NP_001129277.1
NCBI GenBank Nucleotide #	NM_001135805.1
UniProt Accession #	P21579; Q6AI31
Molecular Weight	47,573 Da
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; 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.

