

Synaptotagmin Antibody | anti-SYT1 antibody

Synaptotagmin (Phospho-Thr202) Antibody

CATALOG # AAA109598	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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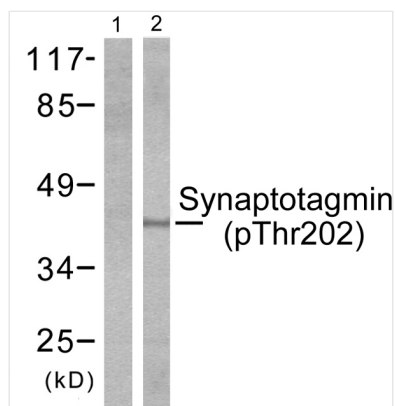
PRODUCT SYNONYMS

Synaptotagmin; Synaptotagmin (Phospho-Thr202) Antibody; stathmin 1; LAG; LAP18; Leukemia-associated gene protein; Leukemia-associated phosphoprotein p18; Metablastin; Oncoprotein 18; Op18; PR22; Phosphoprotein p19; Pr22 protein; Prosoilin; STN1; pp17; pp19; stathmin; anti-SYT1 antibody

PRODUCT SPECIFICATIONS

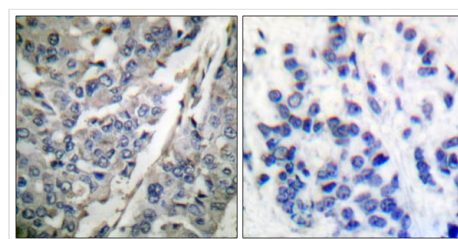
Reactivity	Human, Mouse, Rat
Specificity	Synaptotagmin (phospho-Thr202) antibody detects endogenous levels of Synaptotagmin only when phosphorylated at threonine 202.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	422
Applicable Applications for anti-SYT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Synaptotagmin around the phosphorylation site of threonine 202(R-K-TP-L-N).
All Sites	Human: Thr199 Mouse: Thr202 Rat: Thr202
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells treated with Forskolin (40nM, 30mins), using Synaptotagmin (phospho-Thr202) antibody.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Synaptotagmin (phospho-Thr202) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SYT1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	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.

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 1
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

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/human-mouse-rat-antibody/synaptotagmin/109598>