

## ARG51701 anti-Synaptotagmin 1/2 phospho (Thr202 / Thr199) antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Synaptotagmin 1/2 phospho (Thr202 / Thr199)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Synaptotagmin 1/2
Species	Human
Immunogen	Peptide sequence around phosphorylation site of threonine 202/199 (R-K-T(p)-L-N) derived from Human Synaptotagmin 1/2 .
Conjugation	Un-conjugated
Alternate Names	Synaptotagmin-2; SytII; Synaptotagmin II; CMS7; MYSPC

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

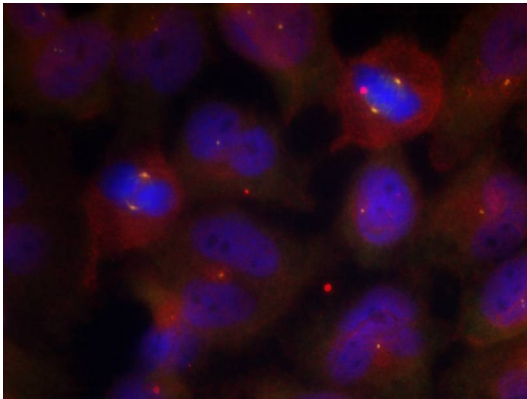
Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SYT2
Gene Full Name	synaptotagmin II
Background	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
Function	May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone (By similarity). [UniProt]
Research Area	Neuroscience antibody
Calculated Mw	47 kDa

## Images

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ARG51701 anti-Synaptotagmin 1/2 phospho (Thr202 / Thr199) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51701 anti-Synaptotagmin 1/2 phospho (Thr202 / Thr199) antibody.

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