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.

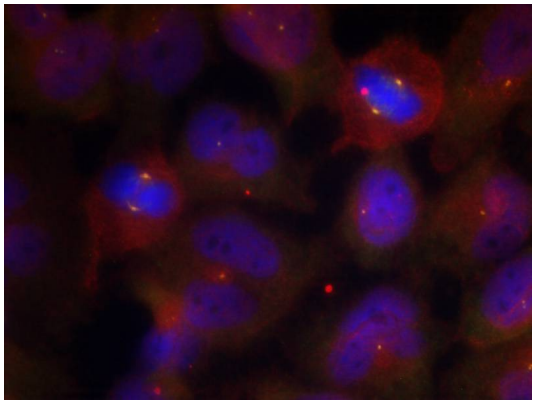
Properties

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 chromatogramphy using non-phosphopeptide.
Buffer	PBS (without Mg2+ and Ca2+, 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



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.