



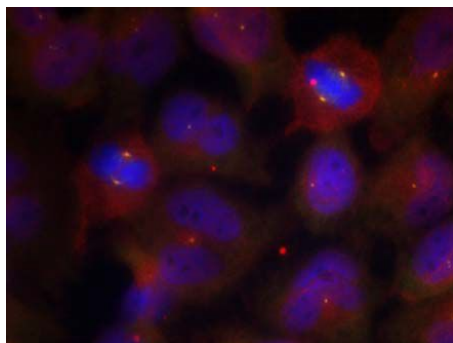
Synaptotagmin I/II (Phospho-Thr202/199)

#11210

Catalog Number: 11210-1, 11210-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** P21579/Q8N910**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from Human Synaptotagmin I/II around the phosphorylation site of threonine 202/199 (R-K-Tp-L-N)**Purification:** The antibody was 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.**Specificity/Sensitivity:** Synaptotagmin I/II (Phospho-Thr202/199) antibody detects endogenous levels of Synaptotagmin I/II only when phosphorylated at threonine202/199**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 46 kd

IF: 1:100~1:200



Immunofluorescence staining of methanol-fixed HeLa cells using Synaptotagmin I/II (Phospho-Thr202/199) Antibody

Background :

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin I participates in triggering neurotransmitter release at the synapse

References:

Gustavsson N, et al. Proc Natl Acad Sci U S A. 2008 Mar 11; 105(10):3992-7.

Cnops L, et al. Cereb Cortex. 2008 May; 18(5):1221-31.

Lynch KL, et al. Mol Biol Cell. 2007 Dec; 18(12):4957-68.