



Synaptotagmin I/II (Ab-202/199) Antibody

#21293

Catalog Number: 21293-1, 21293-2

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 non-phosphopeptide derived from Human Synaptotagmin I/II around the phosphorylation site of threonine 202/199 (R-K-T_p-L-N)

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

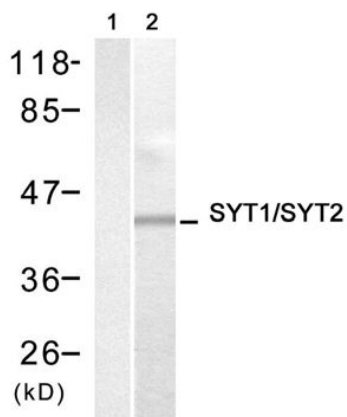
Specificity/Sensitivity: Synaptotagmin I/II (Ab-202/199) antibody detects endogenous levels of total Synaptotagmin I/II protein

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 46 kd

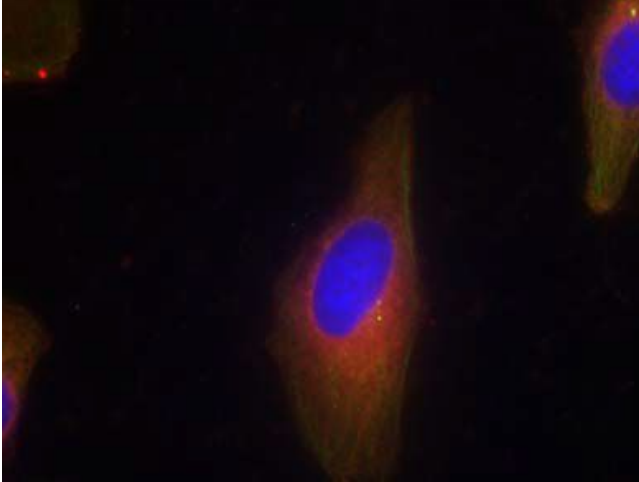
WB: 1:500~1:1000 IF: 1:100~1:200



Peptide + -

Western blot analysis of extract from HeLa cells using

Synaptotagmin I/II (Ab-202/199) Antibody (#21293, Lane 1 and 2)



Immunofluorescence staining of methanol-fixed HeLa cells using Synaptotagmin I/II (Ab-202/199) Antibody

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

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.