



Signalway Antibody

SynaptotagminII (Phospho-Thr202)

#11211

Catalog Number: 11211-1, 11211-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : 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 II around the phosphorylation site of threonine 202

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 II (Phospho-Thr202) antibody detects endogenous levels of Synaptotagmin II only when phosphorylated at threonine202

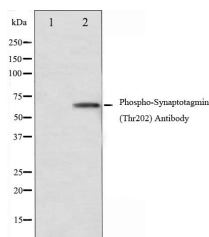
Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 60 kd

WB: 1:500~1:1000

IHC: 1:50~1:200



Western blot analysis of Synaptotagmin phosphorylation expression in Forskolin treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide

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.