

Anti-SYNPO Antibody (Monoclonal, 32S94)

Catalog Number: M03154

About SYNPO

The spine apparatus(SA) is a specialized form of endoplasmic reticulum(ER) that is found in a subpopulation of dendritic spines in central neurons. The SA consists of a series of stacked discs that are though to be connected to each other and to the dendritic system of ER-tubules. The actin binding protein synaptopodin(which has originally been described in podocytes of the kidney) is an essential component of the SA. Mice that lack the gene for synaptopodin do not form a spine apparatus. The SA is believed to play a critical role in learning and memory. In summary, an important function of the spine apparatus is the regulation of plasticity at individual synapses, a process known as metaplasticity. The International Radiation Hybrid Mapping Consortium mapped the SYNPO gene to chromosome 5.

Overview

Product Name	Anti-SYNPO Antibody (Monoclonal, 32S94)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SYNPO Antibody (Monoclonal, 32S94) catalog # M03154. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 32S94
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8N3V7

Technical Details

Immunogen	Recombinant protein within mouse Synaptopodin.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200

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