

Anti-Alpha II-spectrin / Alpha-Fodrin / SPTAN1 Monoclonal Antibody

Catalog Number: M03831

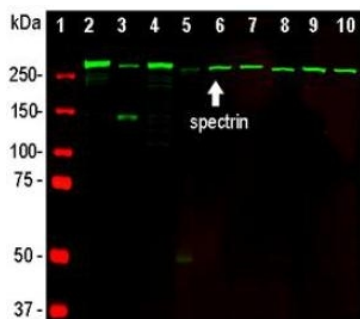
Overview

Product Name	Anti-Alpha II-spectrin / Alpha-Fodrin / SPTAN1 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Alpha II-spectrin / Alpha-Fodrin / SPTAN1 Monoclonal Antibody catalog # M03831. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN ₃
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	Mouse
Uniprot ID	Q13813

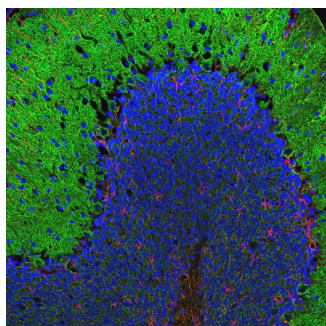
Technical Details

Immunogen	Recombinant construct containing the 19th and 20th spectrin repeats and C-terminal EF hand domains of human II spectrin (amino acids 2086-2445 from AAB41498.1) expressed in and purified from E. coli.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:3,000. IF/ICC: 1:500.

Anti-Alpha II-spectrin / Alpha-Fodrin / SPTAN1 Monoclonal Antibody (M03831) Images



Western blot analysis of neural tissue and cell lysates using mouse mAb to II spectrin, M03831, in green. [1] protein standard, [2] rat whole brain, [3] rat spinal cord, [4] mouse whole brain, [5] mouse spinal cord, [6] NIH-3T3, [7] HEK293, [8] HeLa, [9] SH-SY5Y, [10] C6 glioma cells. A prominent band at about 250-260 kDa represents the intact II spectrin heavy chain.



Immunofluorescent image of rat cerebellum stained with M03831 antibody to II spectrin, dilution 1:2,000, in green and chicken polyclonal antibody to GFAP, dilution 1:5,000, in red. The spectrin antibody stains the submembraneous cytoskeleton on neurons and strongly reveals the cell bodies and dendrites of Purkinje cells, while the GFAP antibody stains the processes of Bergmann glia and astrocytes.

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