BOSTER BIOLOGICAL TECHNOLOGY
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Anti-MAP1 Antibody (Monoclonal, 31M04)

Catalog Number: M03897

About Map1a

Microtubules are the ubiquitous cytoskeletal structural components that are involved in intracellular transport. They are composed of tubulin and microtubule-associated proteins (MAPs). MAP1 is one of the major neuronal MAPs as well as being the largest (350KD). MAPs include MAP1A, MAP1B, and MAP2. MAP1a is a single-copy gene spanning 10.5 kb. MAP1a coding sequence is contained in five exons. MAP1B is encoded as a polyprotein that is processed to form a complex N-terminal microtubule-binding domain.

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Overview

Product Name	Anti-MAP1 Antibody (Monoclonal, 31M04)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-MAP1 Antibody (Monoclonal, 31M04) catalog # M03897. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 31M04
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3. 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 from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P34926

Technical Details

Immunogen	Rat brain microtubule-associated proteins (MAPs).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western

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	blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Mouse, rat Immunohistochemistry (Frozen Section), 1-2ug/ml, Mouse, rat, - Western blot, 0.5-2ug/ml, Mouse, rat

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For Research Use Only. Not for use in diagnostic procedures.