

## Anti-MAP2 Antibody (Monoclonal, HM-2)

Catalog Number: MA1057

### About Map2

MAP2, a 280-kD protein, is highly concentrated in neuronal somata and dendrites. Microtubule-associated protein 2 (MAP2) is a neurosteroid receptor. MAP2 gene contains 19 exons, and located in segment 2q34-q35. The transgenic MAP2c was present in dendrites but not in axons but transgenic MAP2c messenger RNA was limited to cell bodies.

### Overview

Product Name	Anti-MAP2 Antibody (Monoclonal, HM-2)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MAP2 Antibody (Monoclonal, HM-2) catalog # MA1057. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal HM-2
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.
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	P15146

### Technical Details

Immunogen	Rat brain microtubule-associated proteins (MAPs).
Predicted Reactive Species	Bovine, Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P).
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**

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

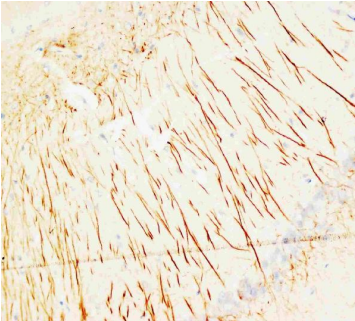
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human, mouse, rat, By Heat  
Western blot, 0.5-2ug/ml, Human, mouse, rat

## Anti-MAP2 Antibody (Monoclonal, HM-2) (MA1057) Images



Anti-MAP2 antibody (monoclonal), MA1057, IHC(P)  
IHC(P): Rat Brain Tissue

## 38 Publications Citing This Product

1. PubMed ID: -,

**Tauroursodeoxycholic Acid Alleviates Secondary Injury in Spinal Cord Injury Mice Through Reducing Oxidative Stress**

**Authors:**Yonghui Hou,Jiyao Luan,Tiancheng Deng et al.

2. PubMed ID: 33582188, Wu K,Yue J,Shen K,He J,Zhu G,Liu S,Yang H,Zhang C.Expression and cellular distribution of FGF13 in cortical tubers of the tuberous sclerosis complex.Neurosci Lett. 2021 Feb 11:135714.doi:10.1016/j.neulet.2021.135714.Epub ahead of print.PMID:33582188.

3. PubMed ID: 31996007, Yu Q,Li X,Li Y,Fu J,Xiao Z.Effects of combined electroacupuncture and exercise training on motor function and microtubule-associated protein 2 expression in the middle and late stages of cerebral infarction in rats.Acupunct Med.2020 Jun;38(3):175-180.doi:

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