

Basic Information

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|---------------------------|--|------------|
| Product Name | Anti-MAP2 Antibody (Clone#HM-2) | |
| Gene Name | MAP2 | |
| Source | Mouse | |
| Clonality | Monoclonal | |
| Isotype | IgG1 | |
| Species Reactivity | human, mouse, rat | |
| Tested Application | WB, IHC | |
| Contents | 200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA | |
| Immunogen | Rat brain microtubule-associated proteins(MAPs). | |
| Concentration | 200ug/ml | |
| Purification | Ascites | |
| Observed MW | 280 kDa | |
| Dilution Ratios | Western blot (WB): | 1:500-2000 |
| | Immunohistochemistry (IHC): | 1:50-400 |
| | (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user. | |

Storage

12 months from date of receipt, -20°C as supplied.

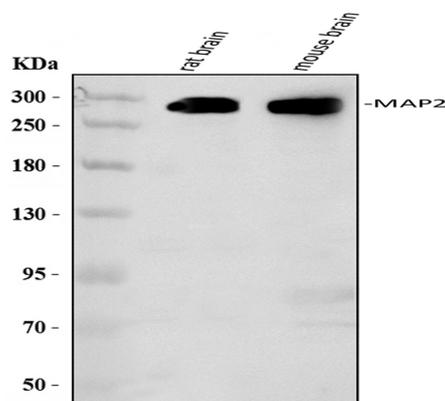
Background Information

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.

Reference

Anti-MAP2 Antibody (Clone#HM-2)被引用在35文献中。

Selected Validation Data



Western blot analysis of anti-MAP2 antibody (BM1243). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-MAP2 antigen

affinity purified monoclonal antibody (BM1243) at a dilution of

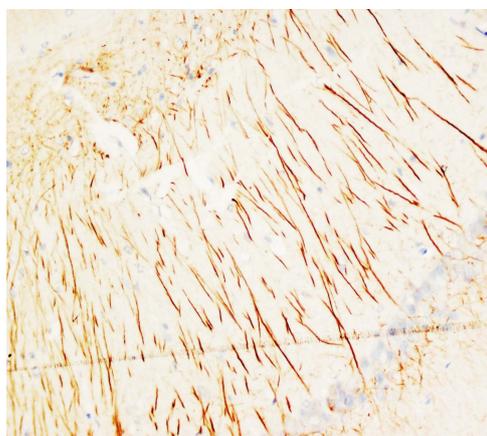
1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for MAP2 at approximately 280 kDa. The expected band

size for MAP2 is at 200 kDa.



IHC analysis of MAP2 using anti-MAP2 antibody (BM1243) .

MAP2 was detected in a paraffin-embedded section of rat brain

tissue. The tissue section was incubated with rabbit anti-MAP2

Antibody (BM1243) at a dilution of 1:200 and developed using HRP

Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002)

with DAB (Catalog # AR1027) as the chromogen.