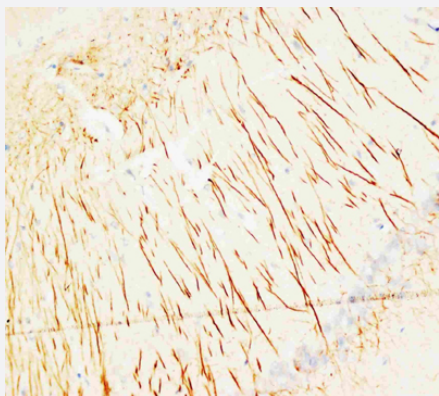


# Map2 monoclonal antibody, clone HM-2

Catalog # MAB1521      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat brain tissue.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native Map2.
<b>Immunogen</b>	Native purified rat Map2.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	280
<b>Reactivity</b>	Rat
<b>Form</b>	Lyophilized
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from ascites fluid 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)

**Storage Instruction**

Store at -20°C on dry atmosphere.  
After reconstitution with 1 mL of PBS buffer and concentration will be 100 ug/mL, store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat brain tissue.

## Gene Info — Map2

**Entrez GeneID** [25595](#)

**Protein Accession#** [P15146](#)

**Gene Name** Map2

**Gene Alias** MAP2R, Mtap2

**Gene Description** microtubule-associated protein 2

**Gene Ontology** [Hyperlink](#)

**Other Designations** -

## Publication Reference

- [Microtubule-associated protein 2 \(MAP2\) is a neurosteroid receptor.](#)  
Fontaine-Lenoir V, Chambraud B, Fellous A, David S, Duchossoy Y, Baulieu EE, Robel P.  
PNAS 2006 Mar; 103(12):4711.

- [Genomic structure of human microtubule-associated protein 2 \(MAP-2\) and characterization of additional MAP-2 isoforms.](#)

Kalcheva N, Albala J, O'Guin K, Rubino H, Garner C, Shafit-Zagardo B.

PNAS 1995 Nov; 92(24):10894.

Application: IP, WB-Ce, WB-Ti, Human, Rat, MSN cells, Rat brains

- [Identification of cDNA clones for the human microtubule-associated protein tau and chromosomal localization of the genes for tau and microtubule-associated protein 2.](#)

Neve RL, Harris P, Kosik KS, Kurnit DM, Donlon TA.

Brain Research 1986 Dec; 387(3):271.