

# MAP2 Rabbit mAb

Catalog No.: A22206    Recombinant    3 Publications

## Basic Information

### Observed MW

75 kDa

### Calculated MW

200kDa/199kDa/50kDa/59kDa

### Category

Primary antibody

### Applications

WB, IF/ICC, IF-F, IF-P, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Clone/No. number

ARC56285

## Background

This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.

## Recommended Dilutions

WB	1:1000 - 1:6000
IF/ICC	1:200 - 1:800
IF-F	1:500 - 1:2000
IF-P	1:200 - 1:800
IHC-P	1:200 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Immunogen Information

### Gene ID

4133

### Swiss Prot

P11137

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

MAP-2; MAP2A; MAP2B; MAP2C; MAP2

## Product Information

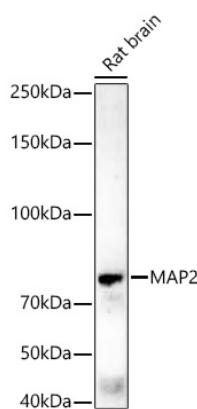
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

### Storage

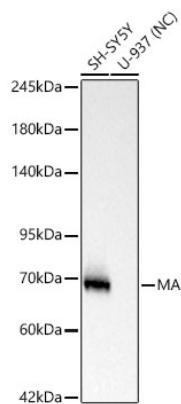
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

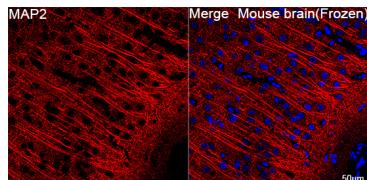
## Validation Data



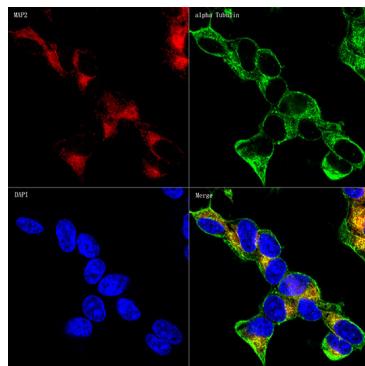
Western blot analysis of lysates from Rat brain, using MAP2 Rabbit mAb (A22206) at 1:4000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 180s.



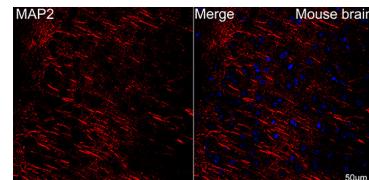
Western blot analysis of various lysates using MAP2 Rabbit mAb (A22206) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25  $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020)  
Negative control (NC): U-937  
Exposure time: 3 s.



Confocal imaging of frozen sections Mouse brain tissue using MAP2 Rabbit mAb (A22206, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

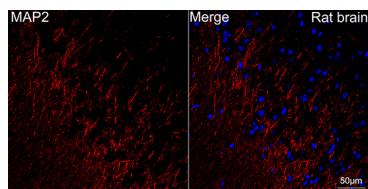


Confocal imaging of SH-SY5Y cells using MAP2 Rabbit mAb (A22206, dilution 1:200) followed by a further incubation with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.

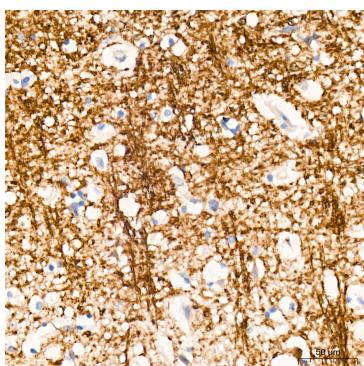


Confocal imaging of paraffin-embedded mouse brain using MAP2 Rabbit mAb (A22206, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

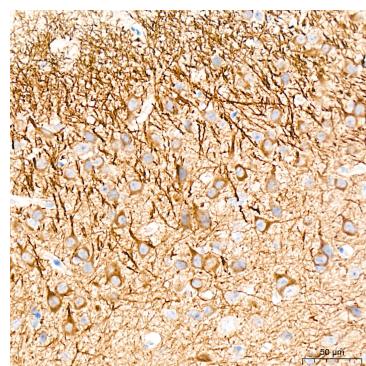
## Validation Data



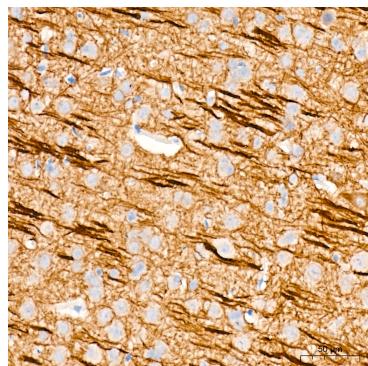
Confocal imaging of paraffin-embedded rat brain using MAP2 Rabbit mAb (A22206, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using MAP2 Rabbit mAb (A22206) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using MAP2 Rabbit mAb (A22206) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using MAP2 Rabbit mAb (A22206) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.