

MAP2 Rabbit pAb

Catalog No.: A0453

3 Publications

Basic Information

Observed MW

220-280kd(MAP2A□MAP2B)

Calculated MW

200kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P,IF/ICC

Cross-Reactivity

Mouse, Rat

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 | 1:100 - 1:500 |
| IHC-P | 1:50 - 1:200 |
| IF/ICC | 1:50 - 1:200 |

Immunogen Information

Gene ID

4133

Swiss Prot

P11137

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-118 of human MAP2 (NP_002365.3).

Synonyms

MAP-2; MAP2A; MAP2B; MAP2C; MAP2

Contact

| | |
|---|---------------------------|
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Product Information

Source

Rabbit

Isotype

IgG

Purification

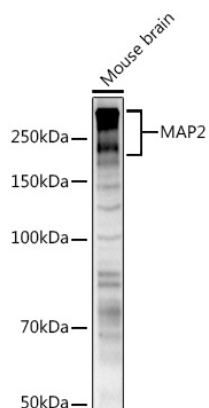
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of Mouse brain, using MAP2 Rabbit pAb antibody (A0453) at 1:500 dilution.

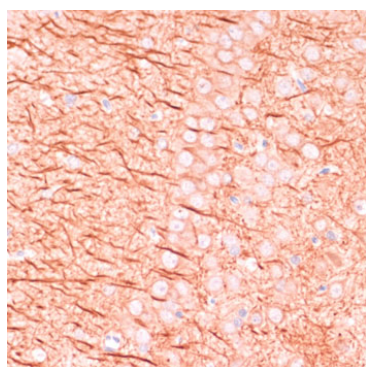
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

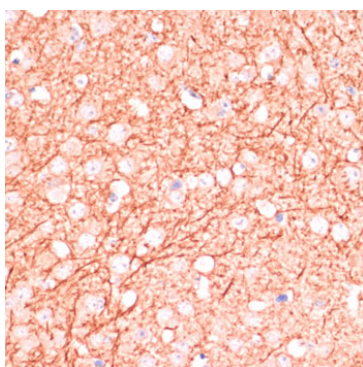
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

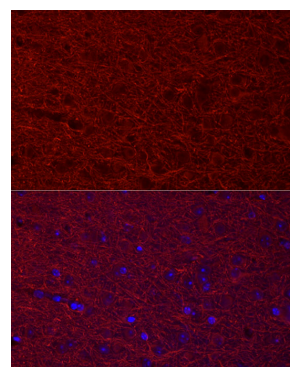
Exposure time: 180s.



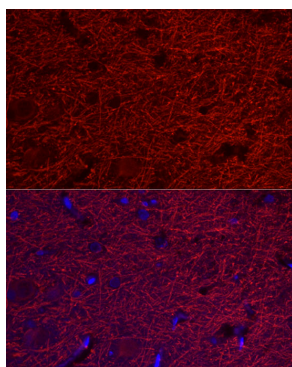
Immunohistochemistry analysis of paraffin-embedded rat brain using MAP2 antibody (A0453) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse brain using MAP2 antibody (A0453) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of mouse brain cells using MAP2 Rabbit pAb (A0453) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat brain cells using MAP2 Rabbit pAb (A0453) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.