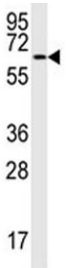
# MAP2 Antibody [clone 159CT34.12.3.4] (F53515)

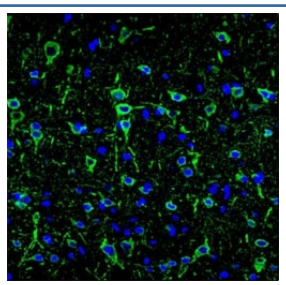
| Catalog No. | Formulation | Size |
|---|---|---|
| F53515-0.1ML | In ascites with 0.09% sodium azide | 0.1 ml |

**Bulk quote request**

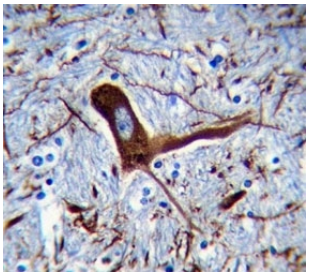
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Ascites |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, k |
| **Clone Name** | 159CT34.12.3.4 |
| **Purity** | Ascites |
| **UniProt** | P11137 |
| **Applications** | Western blot: 1:1000<br>Immunofluorescence: 1:10-1:50<br>IHC (Paraffin): 1:10-1:50 |
| **Limitations** | This MAP2 antibody is available for research use only. |




MAP2 antibody western blot analysis in MCF-7 lysate. Ab used at 1:1000 dilution. MAP2 can be observed at ~280 kDa (isoforms A & B) and ~70 kDa (isoform C).



Confocal immunofluorescent analysis of MAP2 antibody with brain tissue followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used as a nuclear counterstain (blue).



MAP2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.

## Description

The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules. [UniProt]

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MAP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This MAP2 antibody was raised using purified His-tagged recombinant human MAP2.

## Storage

Aliquot the MAP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.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