

MAP-2 monoclonal antibody

Catalog: MB0078

Host: Mouse

Reactivity: Human, Mouse

Background:

MAP2 is the major microtubule associated protein of brain tissue. There are three forms of MAP2; two are similarly sized with apparent molecular weights of 280 kDa (MAP2a and MAP2b) and the third with a lower molecular weight of 70 kDa (MAP2c). MAP2 is degraded by a Cathepsin D-like protease in the brain of aged rats. There is some indication that MAP2 is expressed at higher levels in some types of neurons than in other types. MAP2 is known to promote microtubule assembly and to form side-arms on microtubules.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size: 202KDa

Observed band size: 300KDa

Swiss-Prot:

P11137

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000 ICC: 1:100~200 IP: 1:50~1:200

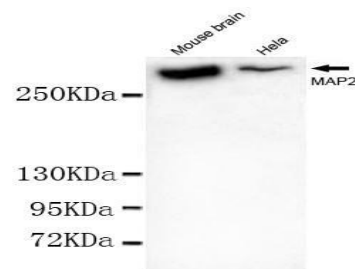
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

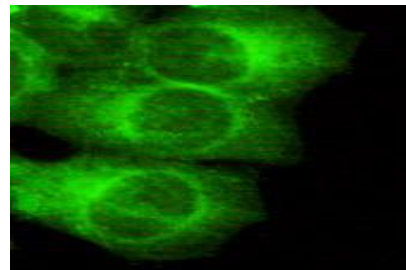
Specificity:

This antibody detects endogenous levels of MAP2 (N-terminus) and does not cross-react with related proteins

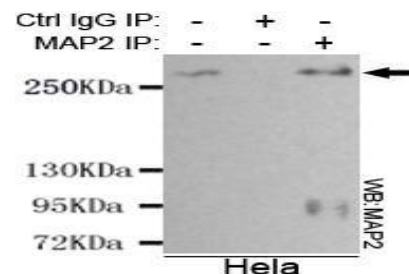
DATA:



Western blot detection of MAP-2 mAb in Mouse Brain tissue & HeLa cell lysates using MAP-2 mAb (1:1000 diluted).



Immunocytochemistry of HeLa cells using anti-MAP2 (N-terminus) antibody diluted 1:150.



Immunoprecipitation analysis of HeLa cell lysates using MAP2 antibody

Note:

For research use only, not for use in diagnostic procedure.

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