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Monoclonal Antibody to MAP-2 - FITC

Alternate names: MAP2, Microtubule-associated protein 2, Neuronal Marker

Catalog No.: BM2472F

Quantity: 0.25 mg

Concentration: 0.1 mg/ml (OD280)

Background: Microtubule Associated Protein 2 exists in two high molecular weight forms (2a and 2b) and a low molecular weight form (2c). The expression of MAP2 is developmentally regulated and its multiple forms arise by alternative splicing of a single gene.

Uniprot ID: P11137

NCBI: NP_002365

GeneID: 4133

Host / Isotype: Mouse / IgG1

Clone: AP20

Format:
State: Liquid Ig fraction
Purification: Protein G affinity chromatography
Buffer System: 0.01 M PBS, pH 7.2, containing 2 mM EDTA, 1% BSA and 0.09% sodium azide
Label: FITC – Fluorescein has been covalently attached to anti-MAP-2 and purified to assure optimal fluorochrome/protein molar ratio
Absorption / Emission: 492 nm / 518 nm
Molar Ratio: F / P = 3.75

Applications: This antibody can be used in immunohistochemistry on tissues or cell using immunofluorescence techniques. The suggested working dilution for immunohistochemical staining is approximately 1:500.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Anti-MAP-2 recognizes (Mr 300 kDa)MAP-2 protein from bovine brain and dendrites and cell bodies of neurons.
Anti-MAP-2 (Clone AP20) reacts with the high molecular weight forms (2a & 2b) of MAP-2 but not with the low molecular weight form (2c).
Species: Bovine. The antibody strongly cross-reacts with MAP-2 from human, rat, mouse, Xenopus, quail and chicken brains.
Other species not tested.

Storage: Store the antibody at 2-8°C. DO NOT FREEZE. Protect from light.
Shelf life: one year from despatch.

General References: 1. Kalcheva N; et al. Journal of Neurochemistry, 1994 Dec, 63(6):2336-41.
2. Binder LI; et al. Annals of the New York Academy of Sciences, 1986, 466:145-66