

Product datasheet for **BM2472B**

MAP2 Mouse Monoclonal Antibody [Clone ID: AP20]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AP20
Applications:	IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: 1/500. Immunofluorescence: 1/500. Western Blotting: 1-2 µg/ml for 2hrs at RT). Immunohistology (Formalin/paraffin): 1-2 µg/ml for 30 min at RT. [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min. followed by cooling at RT for 20 min.] Anti-MAP-2 may be used in studies of neuron structure in both normal and malignant brain tissue.
Reactivity:	Bovine, Chicken, Human, Mouse, Quail, Rat, Xenopus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bovine brain microtubule associated protein 2.
Specificity:	Anti-MAP-2 recognizes (Mr 300 kDa)MAP-2 protein from bovine brain. The antibody strongly cross-reacts with MAP-2 from human, rat, mouse, Xenopus, quail and chicken brains. 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). Anti-MAP-2 reacts with dendrites and cell bodies of neurons.
Formulation:	0.01 M phosphate buffered saline (PBS) pH 7.2, containing, 1.0% BSA and 0.09% sodium azide as a preservative. Label: Biotin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Biotin
Storage:	Store the antibody at 2-8°C. Do not freeze.
Stability:	Shelf life: one year from despatch.



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Gene Name:	microtubule associated protein 2
Database Link:	Entrez Gene 17756 Mouse Entrez Gene 25595 Rat Entrez Gene 4133 Human P11137
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.
Synonyms:	Microtubule-associated protein 2, MAP2, Neuronal Marker
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS