



Mouse monoclonal antibody to rat MAP2 [MP-2]: IgG

Catalogue No.:	M-1031-100
Description:	MAP2 is a major microtubule associated protein of brain tissue. MAP2 promotes microtubule assembly and interacts with neurofilaments, actin and other elements of the cytoskeleton. At least 4 isoforms have been identified arising from alternative splicing.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Rat brain microtubule-associated proteins
Other Names:	Microtubule-associated protein 2; MAP-2; Mtap2;
Accession:	P15146 MAP2_RAT
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-2.0 ug/mL is recommended for WB. Rat MAP2 (Isoform MAP2x) has a predicted length of 1,861 residues and MW of 202 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect MAP2 in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed frozen tissues. The optimal dilution should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; Rat; Mouse;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

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