

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

<b>Catalogue No.:</b>	M-1031-100
<b>Description:</b>	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.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Rat brain microtubule-associated proteins
<b>Other Names:</b>	Microtubule-associated protein 2; MAP-2; Mtap2;
<b>Accession:</b>	P15146 MAP2_RAT
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	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.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; Rat; Mouse;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	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.
<b>Expiry Date:</b>	12 months after purchase.

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