

Product datasheet for **AM20637PU-N**

Map1a Mouse Monoclonal Antibody [Clone ID: MP-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MP-1
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 0.5 - 2 µg/ml. Immunohistochemistry on frozen and paraffin sections: 1 - 2 µg/ml.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat brain microtubule-associated proteins (MAPs)
Specificity:	This antibody reacts to MAP-1A.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.2 mg sodium azide as preservative State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	microtubule-associated protein 1A
Database Link:	Entrez Gene 25152 Rat P34926

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Background:	Microtubules are the ubiquitous cytoskeletal structural components that are involved in intracellular transport. They are composed of tubulin and microtubule-associated proteins(MAPs). MAP1 is one of the major neuronal MAPs as well as being the largest(350KD). MAPs include MAP1A, MAP1B , and MAP2. MAP1a is a single-copy gene spanning 10.5 kb. MAP1a coding sequence is contained in five exons. MAP1B is encoded as a polyprotein that is processed to form a complex N-terminal microtubule-binding domain.
Synonyms:	Microtubule-associated protein 1A, MAP1A, MAP1L