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Product datasheet for SM3121P

MAP2 Mouse Monoclonal Antibody [Clone ID: MT-01]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MT-01
Applications:	IF, IP, WB
Recommended Dilution:	**Western Blot.** **Immunoprecipitation.** **Immunocytochemistry.**
Reactivity:	Human, Porcine, Mouse, Bovine, Feline, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Thermostable fraction of bovine brain microtubules.
Specificity:	The antibody reacts with molecule Microtubule Associated Protein MAP-2a and MAP-2b. The antibody is directed against different antigenic determinant in comparison with clone *MT-02*.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody 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 2
Database Link:	Entrez Gene 17756 Mouse Entrez Gene 25595 Rat Entrez Gene 4133 Human P11137

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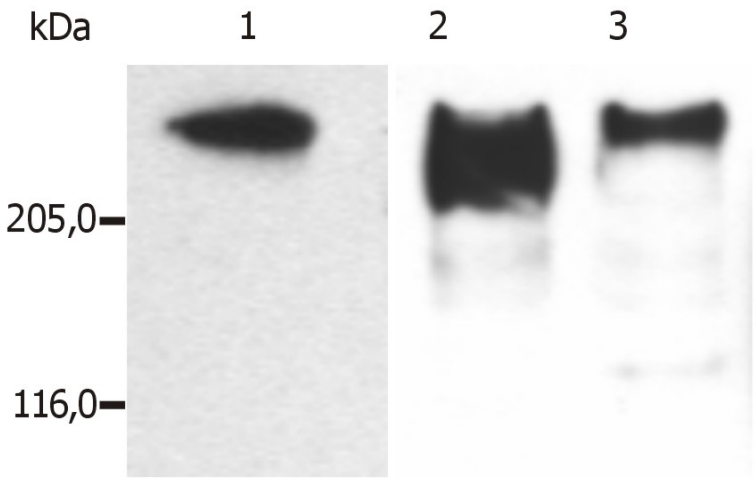
Background: MAP2 is the major microtubule associated protein of brain tissue. There are three forms of MAP2; two are similarily sized with apparent molecular weights of 280 kDa (MAP2a and MAP2b) and the third with a lower molecular weight of 70 kDa (MAP2c). The expression of MAP2 is developmentally regulated 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

Product images:



Western Blotting analysis (reducing conditions) of microtubules partially purified from porcine brain lysate. Lane 1: immunostaining with anti-MAP2ab (MT-01) Lane 2: immunostaining with anti-MAP2ab (MT-07) Lane 3: immunostaining with anti-MAP2ab (MT-08)