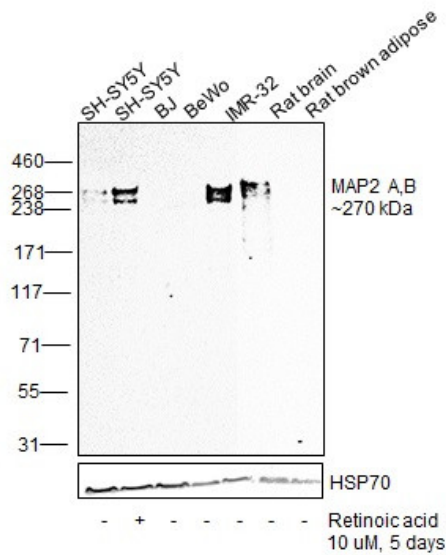


MAP2 Monoclonal Antibody (MT-01)

Product Details	
Size	100 µg
Species Reactivity	Bovine, Cat, Human, Mouse, Pig
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	MT-01
Conjugate	Unconjugated
Immunogen	Termostabile fraction of bovine brain microtubules (whole MAP2ab molecule).
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_1076852

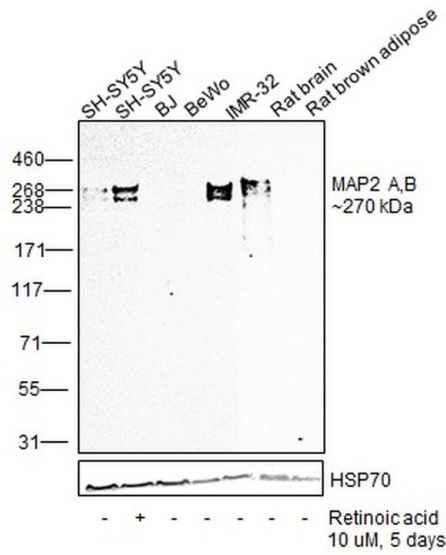
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Images For MAP2 Monoclonal Antibody (MT-01)



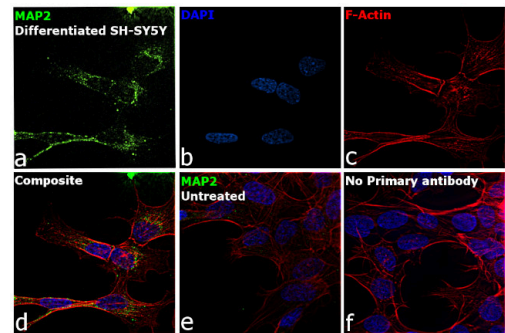
MAP2 Antibody (MA1-19166)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Increased expression of Microtubule-associated protein 2 was observed in SH-SY5Y following its differentiation into neurons, using Anti-MAP2 Monoclonal Antibody (MT-01) (Product # MA1-19166) in Western Blot. The same antibody was used to observe higher expression levels of MAP2 in IMR-32 against BJ and BeWo; and Rat brain against Rat brown adipose. {RE}



MAP2 Antibody (MA1-19166) in WB

Western blot was performed using MAP2 Monoclonal Antibody (MT-01) (Product # MA1-19166) and a ~270 kDa band corresponding to MAP2 A, B was observed across positive cell lines SH-SY5Y, SH-SY5Y differentiated to neurons (10 μ M Retinoic acid for 5 days) and IMR-32 and tissue extract of rat brain. Whole cell extracts (30 μ g lysate) of SH-SY5Y (Lane 1), SH-SY5Y treated with Retinoic acid (Lane 2), BJ (Lane 3), BeWo (Lane 4) and IMR-32 (Lane 5); and tissue extract of Rat brain (Lane 6) and Rat brown adipose (Lane 7) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



MAP2 Antibody (MA1-19166)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-MAP2 Monoclonal Antibody (MT-01) (Product # MA1-19166), shows increased expression of MAP2 in SH-SY5Y cells differentiated to neurons compared to the undifferentiated cells. {RE}

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