

Mouse MAP2 Monoclonal Antibody | anti-MAP2 antibody

MAP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60787	Mouse	Rat, mouse, human and cow	Western Blot, Immunofluorescence, Immunocytochemistry

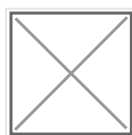
PRODUCT SYNONYMS

MAP2; Monoclonal Antibody; MAP2 Antibody; anti-MAP2 antibody

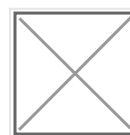
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat, mouse, human and cow
Clonality	Monoclonal
Isotype	IgG2b
Purity/Purification	Affinity purified
Form/Format	Liquid
Concentration	100ug/100ul (varies by lot)
Applicable Applications for anti-MAP2 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Antibody Type	Primary Antibody
Immunogen	Microtubules are 25nm diameter protein rods found in most kinds of eukarytic cells. They are polymerized from a dimeric subunit made of one a subunit and one b tubulin subunit. Microtubules are associated with a family of proteins called microtubule associated proteins (MAPs), which includes the protein t (tau) and a group of proteins referred to as MAP1, MAP2, MAP3, MAP4 and MAP5 (2). MAP2 is made up of two ~280kDa apparent molecular weight bands referred to as MAP2a and MAP2b. A third lower molecular weight form, usually called MAP2c, corresponds to a pair of protein bands running at ~70kDa on SDS-PAGE gels, and is expressed early in development. All these MAP2 forms are derived from a single gene by alternate transcription, and all share a C-terminal sequence which includes either three or four microtubule binding peptide sequences, which are very similar to those found in the related microtubule binding protein t (tau). MAP2 isoforms are expressed only in neuronal cells and specifically in the perikarya and dendrites of these cells. Antibodies to MAP2 are therefore excellent markers on neuronal cells, their perikarya and neuronal dendrites. In contrast t (tau) is found predominantly in neuronal axons. The HGNC name for this protein is MAP2.
Storage Buffer	PBS, pH 7.4 with 0.02% sodium azide.
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody	This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.
References	1. Dehmelt L, Halpain S. The MAP2/Tau family of microtubule-associated proteins. Genome Biol. 6:204 (2004)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/map2-antibody-western-blot-immunofluorescence-immunocytochemistry-elisa/60787>