

Rabbit MAP2 (Microtubule Associated Protein 2) Polyclonal Antibody | anti-MAP2 antibody

MAP2 (Microtubule Associated Protein 2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76742	Rabbit	Human, Mouse, Rat, Bovine	Immunofluorescence, Western Blot, Immunocytochemistry

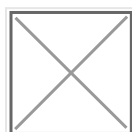
PRODUCT SYNONYMS

MAP2 (Microtubule Associated Protein 2); Polyclonal Antibody; anti-MAP2 antibody

PRODUCT SPECIFICATIONS

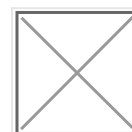
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Liquid. Supplied as an aliquot of serum plus 5mM NaN3
Applicable Applications for anti-MAP2 antibody	IF (Immunofluorescence), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Recombinant human projection domain sequences, amino acids 377-1505
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of different tissue lysates using rabbit pAb to microtubule associated protein 2A and 2B (MAP2A/B), AAA76742, dilution 1:50,000 in green: [1] protein standard (red), [2] rat brain, [3] mouse brain, and [4] cow cortex. Strong band at about 280kDa mark corresponds to the two major high molecular weight MAP2 isoforms referred to as MAP2A and MAP2B. Smaller fragments of these isoforms are also detected on the blot, but the MAP2C and MAP2D isoforms are not.



IF (Immunofluorescence)

Immunofluorescent analysis of rat brain striatum stained with rabbit pAb to microtubule associated protein 2A and 2B isotypes (MAP2A/B), AAA76742, dilution 1:10,000 in red, and costained with chicken pAb to myelin basic protein (MBP) in green. The blue is Hoechst staining of nuclear DNA. The MAP2A/B antibody stains dendrites and perikarya of neurons, while the MBP antibody labels oligodendrocytes and myelin sheathes around axons.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody

Microtubules are 25nm diameter protein rods found in eukaryotic cells and are associated with a family of proteins called microtubule associated proteins (MAPs). MAPs play a crucial role in the regulation of microtubule dynamics and interactions in vivo. MAP2 isoforms are expressed only in neuronal perikarya and dendrites so appropriate antibodies are used to identify these structures in cell culture and sections.

It was made against a mixture of recombinant human projection domain sequences. It binds to the MAP2A and MAP2B isoforms but not the lower molecular weight MAP2C and MAP2D forms which lack the projection domain sequences. This antibody is of very high titre, working well at dilutions of 1:10,000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578396
NCBI GeneID	4133
NCBI Accession #	NP_002365.3
NCBI GenBank Nucleotide #	NM_002374.3
UniProt Accession #	P11137; Q17S04; Q8IUX2; Q99975; Q99976
Molecular Weight	199,526 Da
NCBI Official Full Name	microtubule-associated protein 2 isoform 1
NCBI Official Synonym Full Names	microtubule-associated protein 2
NCBI Official Symbol	MAP2
NCBI Official Synonym Symbols	MAP2A; MAP2B; MAP2C
NCBI Protein Information	microtubule-associated protein 2; MAP-2
UniProt Protein Name	Microtubule-associated protein 2
UniProt Gene Name	MAP2
UniProt Synonym Gene Names	MAP-2
UniProt Entry Name	MTAP2_HUMAN

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/polyclonal/map2-microtubule-associated-protein-2-antibody-immunofluorescence-western-blot-immunocytochemistry-elisa/76742>