

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

Anti-Microtubule Associated Protein 2 (MAP2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14235	Chicken	Bovine, Human, Mouse, Rat.	Western Blot, Immunofluorescence

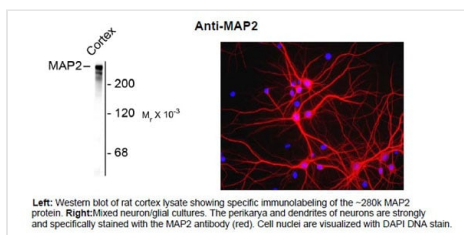
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Chicken
Reactivity	Bovine, Human, Mouse, Rat.
Clonality	Polyclonal
Specificity	Specific for the ~ 280k MAP2 protein in Western Blots of rat brain homogenate.
Form/Format	PBS+ 10 mM NaN ₃ Total IgY fraction
Applicable Applications for anti-MAP2 antibody	WB (Western Blot), IF (Immunofluorescence)
Application Notes	Quality Control Test: Western blots performed on each lot. Working Dilutions: WB: 1:20,000 IF: 1:2,500
Packaging	100ul antibody per vial +10 mM NaN ₃ . Adequate amount of material to conduct 10-mini Western Blots.
Immunogen	Recombinant bovine MAP2 protein expressed in and purified from E.coli.
Preparation and Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20 degree or -80 degree C, while keeping a working aliquot stored at 4 degree C for short term. Avoid freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody	Chicken polyclonal antibody Microtubules are 25nm diameter protein rods found in most kinds of eukaryotic 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 ? (tau) and a group of proteins referred to as MAP1, MAP2, MAP3, MAP4 and MAP5 (Kindler & Gardner 1994). MAP2 is made up of two ~280 kDa 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 ~70 kDa on SDS-PAGE gels. 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 ? (tau). MAP2 isoforms are expressed only in neuronal cells and specifically in the perikarya and dendrites of these cells. MAP2 has been recently shown to be the specific receptor for the neurosteroid pregnenolone (Fontaine- Lenore V. et al., 2006).
References	• Kindler S, Gardner CC (1994) Four repeat MAP2 isoforms in human and rat brain. Brain Res Mol Brain Res. 26(1-2):218-224. • Fontaine-Lenore V, Chambraud B, Fellous A, David S, Duchossoy Y, Baulieu EE, Robel P (2006) Microtubule-associated protein 2 (MAP2) is a neurosteroid. Proc Natl Acad Sci USA 103(12):4711-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578394
NCBI GeneID	4133
NCBI Accession #	NP_001034627.1
NCBI GenBank Nucleotide #	NM_001039538.1
UniProt Accession #	P11137; Q17S04; Q8IUX2; Q99975; Q99976
Molecular Weight	280 kDa
NCBI Official Full Name	microtubule-associated protein 2 isoform 5
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/microtubule-associated-protein-2-map2-antibody-western-blot-immunofluorescence-elisa/14235>