

Microtubule associated Protein 2 (MAP2) Antibody | anti-MAP2 antibody

Microtubule associated Protein 2 (MAP2)

CATALOG # AAA76523	REACTIVITY Human, Mouse, Primate, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry
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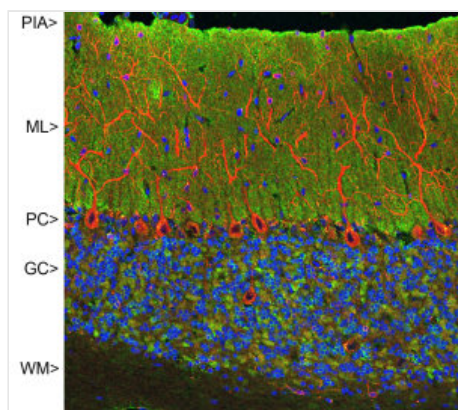
PRODUCT SYNONYMS

Microtubule associated Protein 2 (MAP2); anti-MAP2 antibody

PRODUCT SPECIFICATIONS

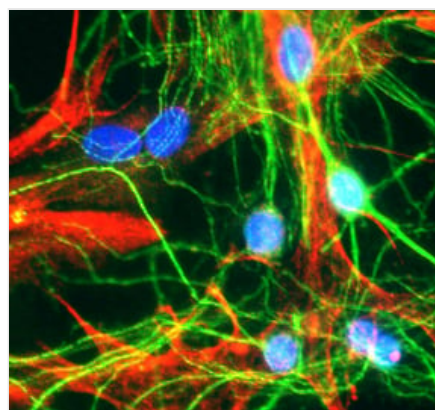
Reactivity	Human, Mouse, Primate, Rat
Form/Format	Liquid
Sequence Length	1827
Applicable Applications for anti-MAP2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Type Info	Chicken IgY
Immunogen	Recombinant human projection domain sequence, amino acids 377-1505

IMAGES



Application Data

Image: Confocal image of adult rat cerebellar cortex stained with VSNL1 (green) and chicken polyclonal antibody to MAP2 (red) and DNA (blue). VSNL1 antibody reveals synapses in the molecular layer (ML) strongly. Synaptic regions are also seen in the granule cell layer (GC). The perikarya of Purkinje cells (PC) are revealed with the MAP2 antibody (4). Little staining is seen in the white matter (WM).



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody	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. 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. 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. Image of primary neuronal culture showing neuronal staining with MAP2 (green) and astrocytes with GFAP (red). Nuclei are counterstained blue. 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 tau is found predominantly in neuronal axons.
Product Categories/Family for anti-MAP2 antibody	Antibodies; Stem Cell Research Antibodies; MAP2 (Microtubule assoc. protein 2)

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578396
NCBI GeneID	4133
NCBI Accession #	NP_002365.3
NCBI GenBank Nucleotide #	NM_002374.3
Molecular Weight	58,954 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
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/human-mouse-primate-rat-antibody/microtubule-associated-protein-2-map2/76523>