

Rabbit anti-Human MAP2 Polyclonal Antibody | anti-MAP2 antibody

MAP2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288303	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

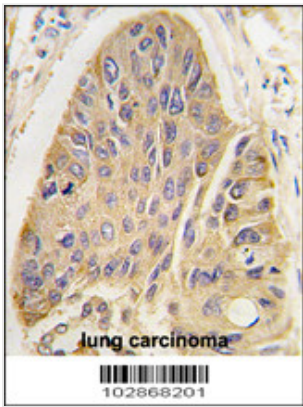
PRODUCT SYNONYMS

MAP2; Polyclonal Antibody; MAP2 Antibody (C-term); Microtubule-associated protein 2; MAP-2; anti-MAP2 antibody

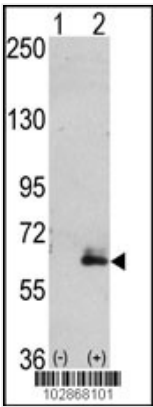
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1766-1796 amino acids from the C-terminal region of human MAP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Positions	1766-1796
Sequence Length	559
Applicable Applications for anti-MAP2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with hMAP2-Q425 antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry



WB (Western Blot)
Western blot analysis of hMAP2-Q425 (arrow) using rabbit polyclonal hMAP2-Q425 Antibody (RB02868). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the hMAP2-Q425 gene (Lane 2) (Origene Technologies).

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 exact function of this gene is still unknown. 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.
Product Categories/Family for anti-MAP2 antibody	Neuroscience; Signal Transduction
References	Lauckner, J., et al., Neurobiol. Aging 24(6):767-776 (2003). Laurine, E., et al., J. Biol. Chem. 278(32):29979-29986 (2003). Liu, Y., et al., Adv Anat Pathol 10(2):101-106 (2003). DeTure, M.A., et al., J. Biol. Chem. 277(38):34755-34759 (2002). Al-Bassam, J., et al., J. Cell Biol. 157(7):1187-1196 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578394
NCBI GeneID	4133
NCBI Accession #	NP_001034627.1; NP_002365.3; NP_114033.2; NP_114035.2
NCBI GenBank Nucleotide #	NM_001039538.1
UniProt Accession #	P11137; Q17S04; Q8IUX2; Q99975; Q99976
Molecular Weight	199526
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
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://www.aaabiotech.com/polyclonal/map2-antibody-immunohistochemistry-western-blot-elisa/288303>