

Rabbit MAP2 Polyclonal Antibody | anti-MAP2 antibody

MAP2 Polyclonal Antibody

CATALOG # AAA37007	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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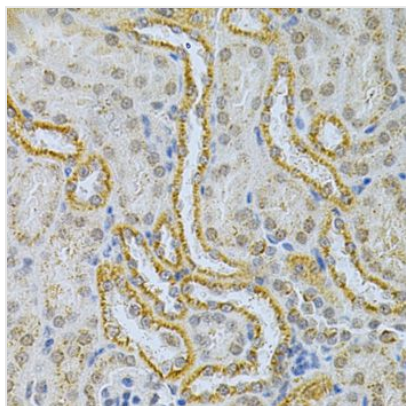
PRODUCT SYNONYMS

MAP2; Polyclonal Antibody; MAP2 Polyclonal Antibody; DKFZp686I2148; MAP2A; MAP2B; MAP2C; anti-MAP2 antibody

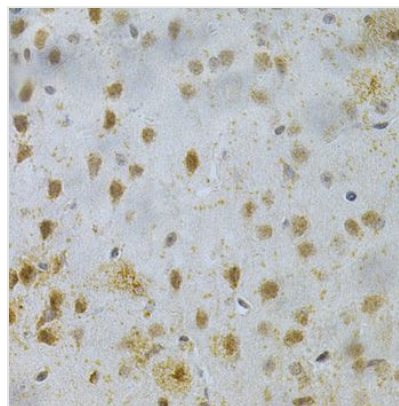
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1827
Applicable Applications for anti-MAP2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human MAP2
Calculated Molecular Weight	59kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

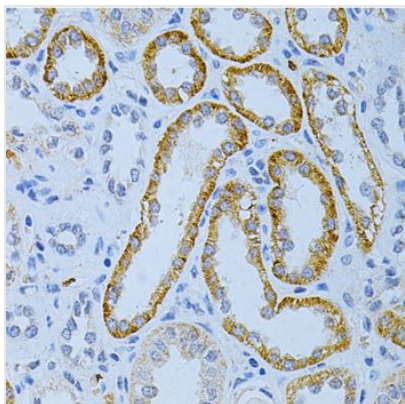
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using MAP2 Antibody at dilution of 1:200 (40x lens).

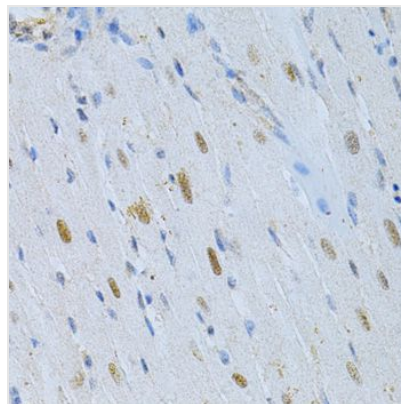

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using MAP2 Antibody at dilution of 1:200 (40x lens).



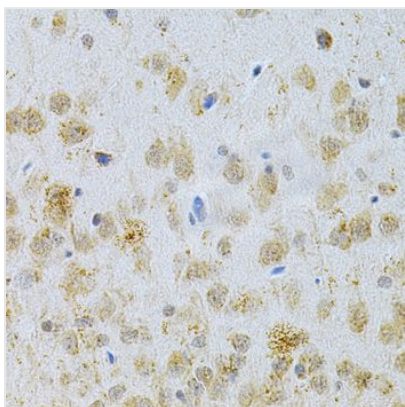
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney cancer using MAP2 Antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using MAP2 Antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using MAP2 Antibody at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody	Microtubule-associated protein 2 (MAP2) is a neuronal phosphoprotein that regulates the structure and stability of microtubules, neuronal morphogenesis, cytoskeleton dynamics, and organelle trafficking in axons and dendrites (1). Multiple MAP2 isoforms are expressed in neurons, including high molecular weight MAP2A and MAP2B (280 and 270 kDa), and low molecular weight MAP2C and MAP2D (70 and 75 kDa). Phosphorylation of MAP2 modulates its association with the cytoskeleton and is developmentally regulated. GSK-3 and p44/42 MAP kinase phosphorylate MAP2 at Ser136, Thr1620, and Thr1623 (2,3). Phosphorylation at Thr1620/1623 by GSK-3 inhibits MAP2 association with microtubules and microtubule stability (3).
Product Categories/Family for anti-MAP2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	215274255
NCBI GeneID	4133
UniProt Accession #	P11137 ; Q17S04 ; Q8IUX2 ; Q99975 ; Q99976
Molecular Weight	1827
NCBI Official Full Name	Microtubule-associated protein 2
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-antibody-immunohistochemistry-western-blot-elisa/37007>