

MAP2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2018a

Specification

MAP2 Antibody (N-term) - Product Information

Application	IHC-P,E
Primary Accession	P11137
Other Accession	NP_114033
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	14-44

MAP2 Antibody (N-term) - Additional Information

Gene ID 4133

Other Names

Microtubule-associated protein 2, MAP-2, MAP2

Target/Specificity

This MAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14~44 amino acids from the N-terminal region of human MAP2.

Dilution

IHC-P~~1:50~100

Format

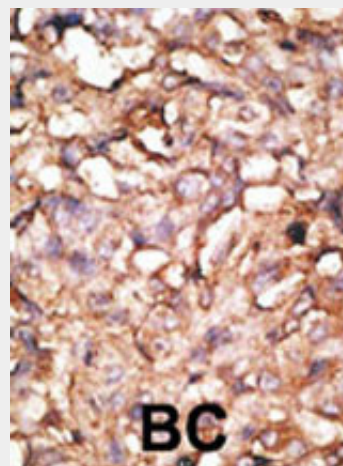
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MAP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

MAP2 Antibody (N-term) - Background

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.

MAP2 Antibody (N-term) - References

Lauckner, J., et al., Neurobiol. Aging 24(6):767-776 (2003).
Laurine, E., et al., J. Biol. Chem. 278(32):29979-29986 (2003).

MAP2 Antibody (N-term) - Protein Information**Name** MAP2**Function**

The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

Cellular Location

Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

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).

MAP2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)