

Datasheet for ABIN7211948

anti-MAP2 antibody

5 Images

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Overview

Quantity:	100 µL
Target:	MAP2
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAP2 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	MAP2 Monoclonal Antibody
Immunogen:	Synthetic Peptide
Isotype:	IgG1
Specificity:	The antibody detects endogenous MAP2 proteins.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen

Target Details

Target:	MAP2
Alternative Name:	MAP2 (MAP2 Products)
Background:	Mouse Anti-MAP2 Monoclonal Antibody, MAP2, Microtubule-associated protein 2, MAP-2, MAP2

Target Details

encodes microtubule associated protein 2 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 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. A number of alternatively spliced variants encoding distinct isoforms have been described.,Microtubule-associated protein 2

Gene ID: 4133

UniProt: [P11137](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:IF (1:100-1:200), IHC-P (1:200).

Comment: Primary Antibody

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

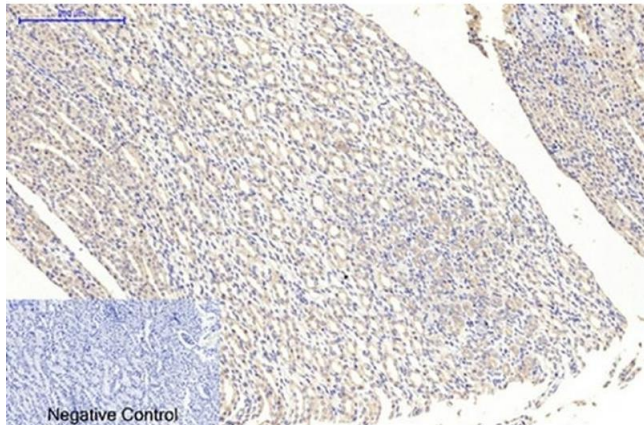
Buffer: PBS, pH 7.4, containing 0.02 % Sodium Azide as preservative and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

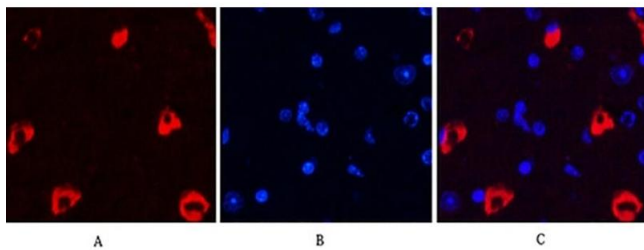
Storage: -20 °C

Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



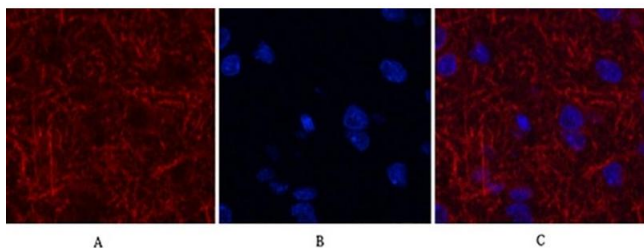
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rat kidney tissue. 1, MAP2 Monoclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Immunofluorescence

Image 2. Immunofluorescence analysis of mouse brain tissue. 1, MAP2 Monoclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Immunofluorescence

Image 3. Immunofluorescence analysis of rat brain tissue. 1, MAP2 Monoclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7211948.