

Anti-MAP2 antibody ab5392

★★★★★ [63 Abreviews](#) [682 References](#) [画像数 7](#)

製品の概要

製品名	Anti-MAP2 antibody
製品の詳細	Chicken polyclonal to MAP2
由来種	Chicken
アプリケーション	適用あり: ICC, IHC-P, WB
種交差性	交差種: Mouse, Rat
免疫原	Recombinant fragment corresponding to Human MAP2. Mix of recombinant human constructs of projection domain sequences, amino acids 235-1588.
ポジティブ・コントロール	IHC-P: Rat cerebellum tissue. ICC: Rat E20 cultured cortical neuron-glia cells, rat cortical neurons, rat cortical neurons and glia in mixed tissue culture and mouse neurons. WB: Adult rat brain, Embryonic E20 rat brain and Adult mouse brain lysates.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	Preservative: 0.032% Sodium azide Constituent: PBS
特記事項(精製)	Lipid extraction from egg yolk, followed by ammonium sulphate precipitation.
ポリ/モノ	ポリクローナル
アイソタイプ	IgY

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab5392の使用に適用されます

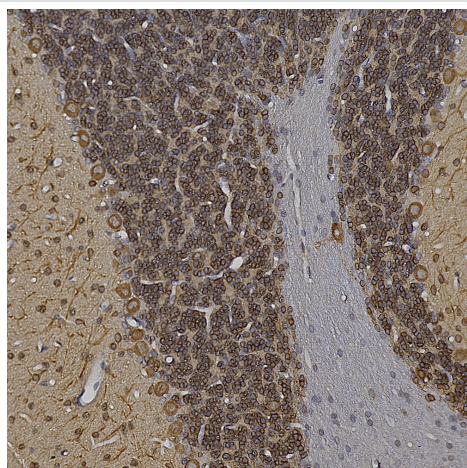
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC	★★★★★ (4)	1/5000 - 1/10000.
IHC-P	★★★★★ (13)	1/10000.
WB	★★★★★ (6)	1/20000 - 1/100000. This 280kDa band corresponds to the high molecular weight MAP2a and MAP2b isoforms. Also detects 2 bands at approximately 70 kDa, corresponding to MAPc, since the 70kDa bands are transcripts from the same gene and correspond to the C-terminus of the 280kDa bands.

ターゲット情報

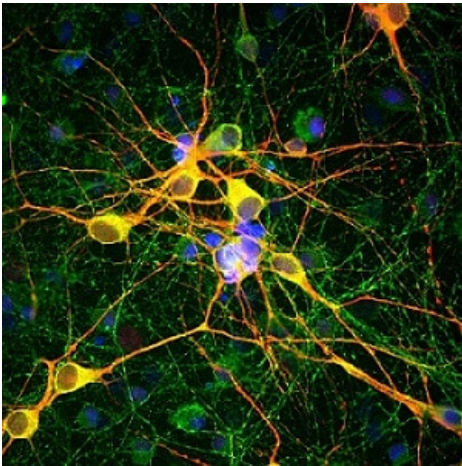
機能	The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.
配列類似性	Contains 3 Tau/MAP repeats.
翻訳後修飾	Phosphorylated at serine residues in K-X-G-S motifs by MAP/microtubule affinity-regulating kinase (MARK1 or MARK2), causing detachment from microtubules, and their disassembly (By similarity). Isoform 2 is probably phosphorylated by PKA at Ser-323, Ser-354 and Ser-386 and by FYN at Tyr-67.
細胞内局在	Cytoplasm, cytoskeleton.

画像



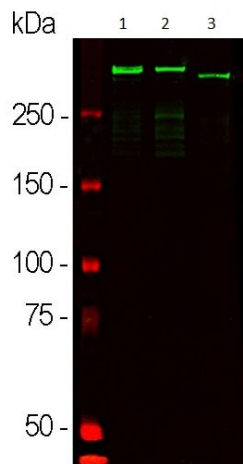
Chromogenic Immunostaining of a formalin fixed paraffin embedded rat cerebellum section with chicken pAb to MAP2A/B dilution 1/10000, detected in DAB (brown) following the ABC method. Hematoxylin (blue) was used as the counterstain. ab5392 detects neuronal cells, specifically their perikarya and dendrites. Note the prominent staining of Purkinje cells and their dendrites in the molecular layer and staining of the much smaller granule neurons in the granular layer.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 antibody (ab5392)



Immunocytochemistry - Anti-MAP2 antibody
(ab5392)

Rat E20 cultured cortical neuron-glia cells stained for MAP2 (red) using ab5392 at 1/10000 dilution for ICC/IF. Tau is detected with a mouse monoclonal anti-Tau antibody (green). The nuclear counter stain is DAPI (blue). Overlap of MAP2 and Tau staining results in an orange-yellow color.



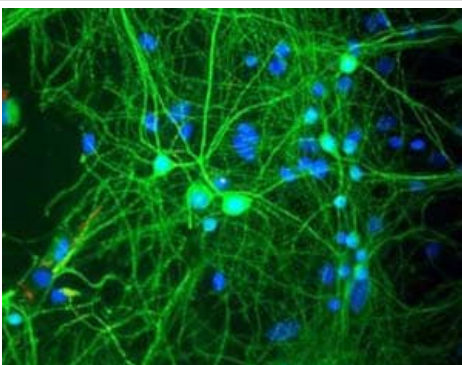
Western blot - Anti-MAP2 antibody (ab5392)

All lanes : Anti-MAP2 antibody (ab5392) at 1/50000 dilution

Lane 1 : Adult rat brain lysate

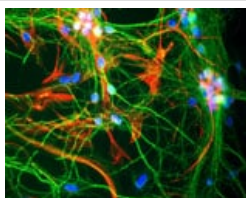
Lane 2 : Embryonic E20 rat brain lysate

Lane 3 : Adult mouse brain lysate



Immunocytochemistry - Anti-MAP2 antibody
(ab5392)

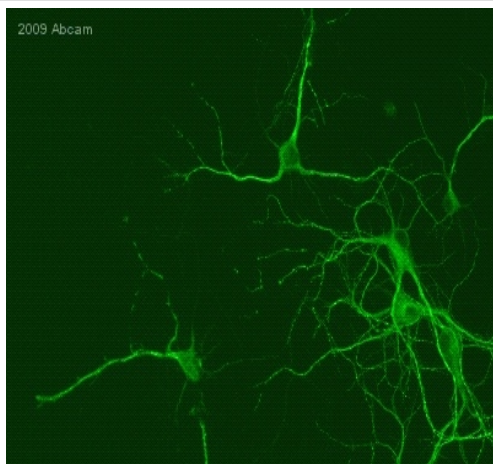
ab5392 at a dilution of 1/10000, staining MAP 2 (green) in tissue cultured rat cortical neurons by immunofluorescence. Nuclei are stained blue with Dapi.



Immunocytochemistry - Anti-MAP2 antibody
(ab5392)

Rat cortical neurons and glia in mixed tissue culture stained with ab5392 (Chicken antibody to MAP2) (green)(1:30 000), a mouse monoclonal antibody to GFAP (red) and nuclei of all cells stained with Hoechst dye (blue).

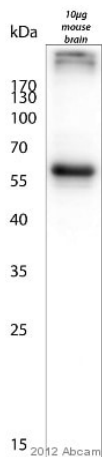
2009 Abcam



Immunocytochemistry - Anti-MAP2 antibody
(ab5392)

This image is courtesy of an anonymous Abreview

ab5392 staining MAP2 in mouse neurons by immunocytochemistry/immunofluorescence. Cells were PFA fixed and permeabilized in 0.4% Triton X-100 prior to blocking in 5% serum for 1 hour at 25°C. The primary antibody was diluted 1/10000 and incubated with the sample for 20 hours at 21°C. Alexa fluor® 488 goat polyclonal to chicken IgY, diluted 1/400, was used as the secondary antibody.



Western blot - Anti-MAP2 antibody (ab5392)

This image is courtesy of an anonymous Abreview

Anti-MAP2 antibody (ab5392) at 1/10000 dilution + Mouse brain lysate - post nuclear supernatant at 10 µg

Secondary

HRP-conjugated rabbit anti-chicken IgY at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 280,70 kDa

Exposure time: 1 minute

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors