

Anti-MAP2 antibody [AA5] ab254143

リコンビナント

1 References [画像数 7](#)

製品の概要

製品名	Anti-MAP2 antibody [AA5]
製品の詳細	Mouse monoclonal [AA5] to MAP2
由来種	Mouse
アプリケーション	適用あり: IHC-P, IHC-Fr, ICC/IF 適用なし: Flow Cyt or WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human, mouse and rat cerebrum tissue. IHC-Fr: Mouse cerebrum tissue. ICC/IF: Mouse and rat primary neurons.
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59.94% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	AA5
アイソタイプ	IgG1

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ab254143の使用に適用されず**
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検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/4000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IHC-Fr		1/20. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
ICC/IF		1/50.

追加情報 Is unsuitable for Flow Cyt or WB.

ターゲット情報

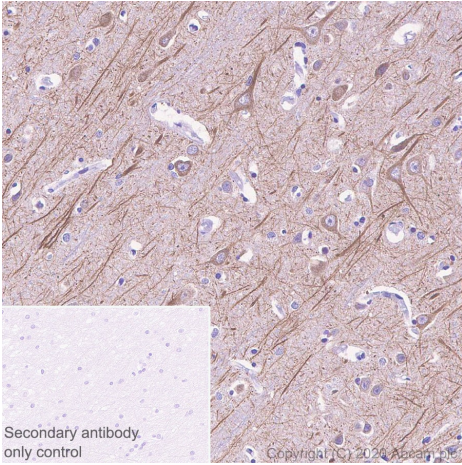
機能 The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

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

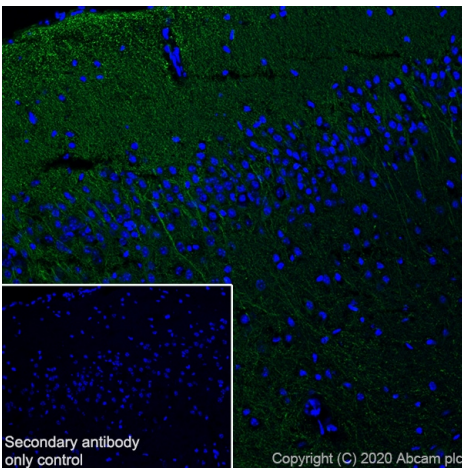


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 antibody [AA5] (ab254143)

Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labeling MAP2 with ab254143 at 1/4000 dilution (0.289 µg/ml) followed by a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)). Cytoplasmic staining on human cerebrum. The section was incubated with ab254143 for 10 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

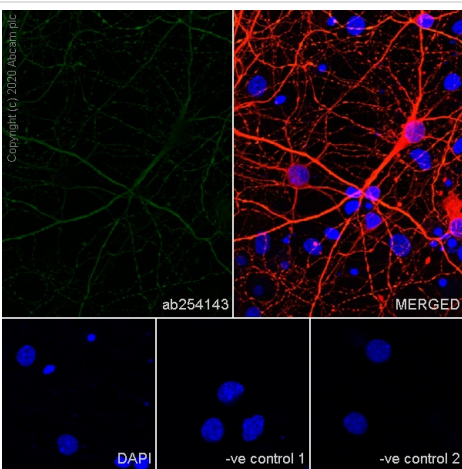


Immunohistochemistry (Frozen sections) - Anti-MAP2 antibody [AA5] (ab254143)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse cerebrum tissue labeling MAP2 with ab254143 at 1/20 dilution (57.85 µg/ml) followed by [ab150113](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse cerebrum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is [ab150113](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



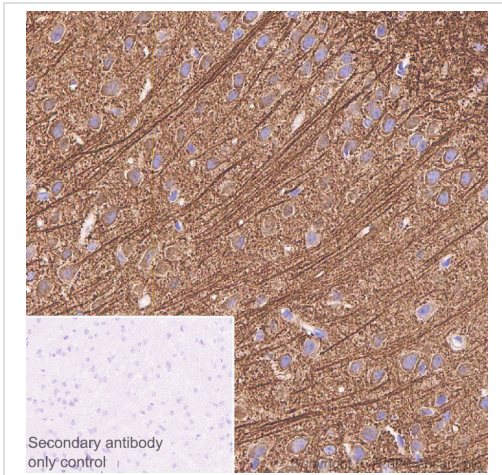
Immunocytochemistry/ Immunofluorescence - Anti-MAP2 antibody [AA5] (ab254143)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized rat primary neuron cells labelling MAP2 with ab254143 at 1/50 dilution (23.14 µg/ml), followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in rat primary neuron cells. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection. [ab11267](#) Anti-MAP2 mouse monoclonal antibody was used to counterstain tubulin at 1/200 dilution, followed by [ab150120](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) at a 1/500 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Negative control 1: ab254143 at a 1/50 dilution followed by **ab150120** at a 1/500 dilution.

Negative control 2: **ab11267** at a 1/200 dilution followed by **ab150157** at a 1/1000 dilution.

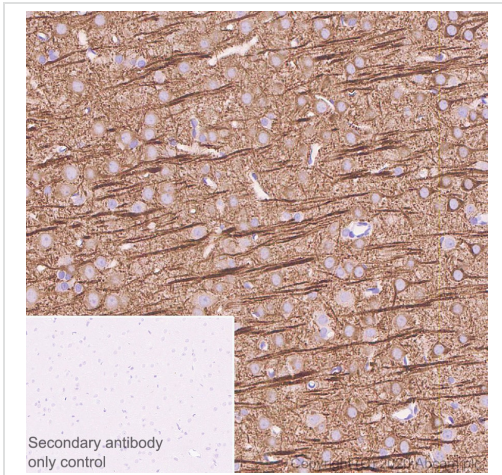


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 antibody [AA5] (ab254143)

Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling MAP2 with ab254143 at 1/4000 dilution (0.289 µg/ml) followed by a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**). Cytoplasmic staining on mouse cerebrum. The section was incubated with ab254143 for 10 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

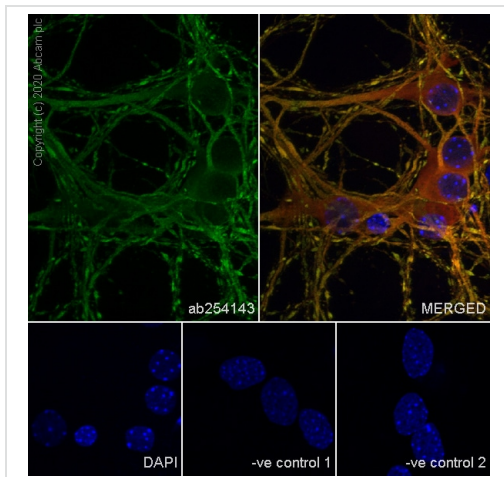


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 antibody [AA5] (ab254143)

Immunohistochemical analysis of paraffin-embedded rat cerebrum tissue labeling MAP2 with ab254143 at 1/4000 dilution (0.289 µg/ml) followed by a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**). Cytoplasmic staining on rat cerebrum. The section was incubated with ab254143 for 10 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



Immunocytochemistry/ Immunofluorescence - Anti-MAP2 antibody [AA5] (ab254143)





Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse primary neuron cells labelling MAP2 with ab254143 at 1/50 dilution (23.14 µg/ml), followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in mouse primary neuron cells. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection. **ab11267** Anti-MAP2 mouse monoclonal antibody was used to counterstain tubulin at 1/200 dilution, followed by **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) at a 1/500 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Negative control 1: ab254143 at a 1/50 dilution followed by **ab150120** at a 1/500 dilution.

Negative control 2: **ab11267** at a 1/200 dilution followed by **ab150157** at a 1/1000 dilution.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-MAP2 antibody [AA5] (ab254143)

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