


### Anti-MAP2 (phospho S136) antibody [EPR2361] ab96378

リコンビナント **RabMAb**

★★★★★ **2 Abreviews** **3 References** 画像数 **4**

#### 製品の概要

製品名	Anti-MAP2 (phospho S136) antibody [EPR2361]
製品の詳細	Rabbit monoclonal [EPR2361] to MAP2 (phospho S136)
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, ICC/IF <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Mouse, Human <b>交差が予測される動物種:</b> Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human fetal brain and mouse brain tissue lysates IHC-P: Human brain tissue ICC/IF: Mouse primary neuron + Alkaline Phosphatase cells
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

アイソタイプ IgG

## 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ab96378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
WB		1/1000 - 1/10000. Predicted molecular weight: 200 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★☆ (1)	1/500.

追加情報 Is unsuitable for Flow Cyt.

## ターゲット情報

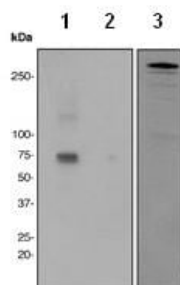
<b>機能</b>	The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.
-----------	---

**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



Western blot - Anti-MAP2 (phospho S136) antibody  
[EPR2361] (ab96378)

**All lanes** : Anti-MAP2 (phospho S136) antibody [EPR2361] (ab96378) at 1/1000 dilution

**Lane 1 :** Untreated fetal brain lysates

**Lane 2 :** Fetal brain lysates treated with Alkaline Phosphatase

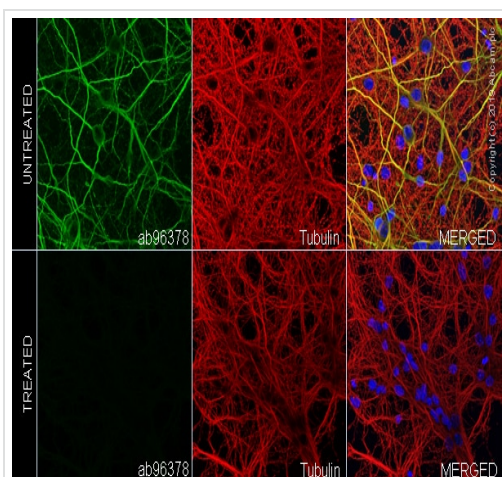
**Lane 3 : Mouse brain lysates**

Lysates/proteins at 10 µg per lane.

## Secondary

**All lanes :** HRP/AP polymerized antibody

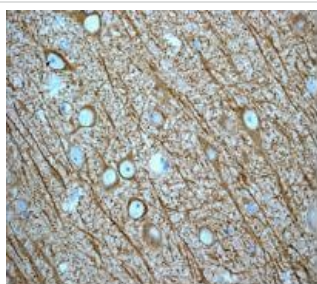
**Predicted band size:** 200 kDa



Immunocytochemistry/ Immunofluorescence - Anti-MAP2 (phospho S136) antibody [EPR2361] (ab96378)

Immunocytochemistry/ Immunofluorescence analysis of mouse primary neuron + Alkaline Phosphatase cells labeling MAP2 with purified ab96378 at 1/500 (3 µg/mL). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 (phospho S136) antibody [EPR2361] (ab96378)

ab96378, at a 1/100 dilution, staining MAP2 in paraffin embedded Human brain tissue by Immunohistochemical analysis.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-MAP2 (phospho S136) antibody [EPR2361] (ab96378)

**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