

### Anti-DCAMKL1 antibody [EPR6085] ab109029

KO 評価済 リコンビナント RabMAb

★★★★★ [5 Abreviews](#) [15 References](#) [画像数 6](#)

#### 製品の概要

製品名	Anti-DCAMKL1 antibody [EPR6085]
製品の詳細	Rabbit monoclonal [EPR6085] to DCAMKL1
由来種	Rabbit
特異性	The human recommendation is based on the WB results. We do not guarantee IHC-P for human.
アプリケーション	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> Flow Cyt or IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
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: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate, Mouse and rat cerebellum lysate, brain lysate and colon lysate, NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate, HAP1 whole cell lysate, human brain lysate. IHC-P: Mouse stomach, Rat colon.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. 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
クローン名	EPR6085
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ab109029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。

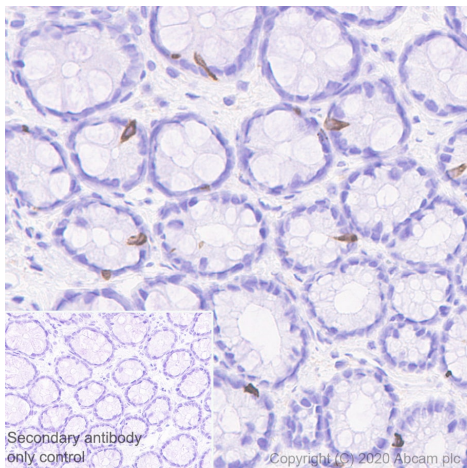
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 50-82 kDa (predicted molecular weight: 82 kDa).
IHC-P	★★★★★ (4)	1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. The human recommendation is based on the WB results. We do not guarantee IHC-P for human.

**追加情報** Is unsuitable for Flow Cyt or IP.

## ターゲット情報

<b>機能</b>	Probable kinase that may be involved in a calcium-signaling pathway controlling neuronal migration in the developing brain. May also participate in functions of the mature nervous system.
<b>組織特異性</b>	In fetal tissues, highly expressed in brain, detectable in lung and liver, but not in kidney. In adult tissues, expressed ubiquitously in the brain, detectable in the heart, liver, spleen, thymus, prostate, testis, ovary, small intestine and colon. The type A isoforms seem to be expressed predominantly in fetal brain whereas type B isoforms are expressed abundantly in both fetal and adult brain.
<b>配列類似性</b>	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 2 doublecortin domains. Contains 1 protein kinase domain.

## 画像



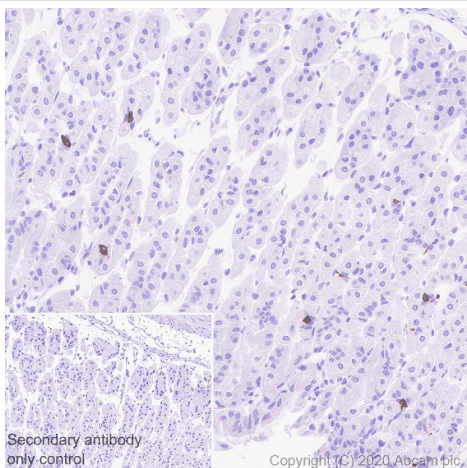
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCAMKL1 antibody [EPR6085] (ab109029)

Immunohistochemical analysis of Paraffin-embedded sections rat colon tissue labelling DCAMKL1 with ab109029 at 1/4000 dilution, followed by a ready to use secondary Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Staining on rat colon tissue is observed. Counter stained with Haematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0)

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



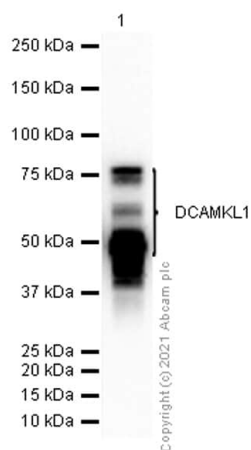
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCAMKL1 antibody [EPR6085] (ab109029)

Immunohistochemical analysis of Paraffin-embedded sections mouse stomach tissue labelling DCAMKL1 with ab109029 at 1/4000 dilution, followed by a ready to use secondary Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Staining on mouse stomach tissue is observed. Counter stained with Haematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0)

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-DCAMKL1 antibody [EPR6085] (ab109029)

Anti-DCAMKL1 antibody [EPR6085] (ab109029) at 1/5000 dilution + SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate at 20 µg

**Secondary**

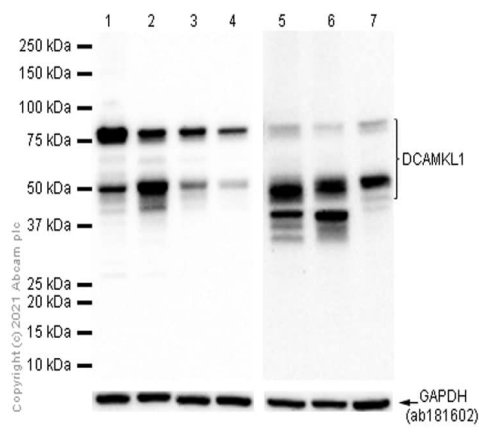
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 82 kDa

**Observed band size:** 47,82 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

The antibody recognizes isoforms of AL, AS, BS and BL.



Western blot - Anti-DCAMKL1 antibody [EPR6085] (ab109029)

**All lanes :** Anti-DCAMKL1 antibody [EPR6085] (ab109029) at 1/5000 dilution

**Lane 1 :** Mouse brain lysate

**Lane 2 :** Rat brain lysate

**Lane 3 :** Mouse cerebellum lysate

**Lane 4 :** Rat cerebellum lysate

**Lane 5 :** Mouse colon lysate

**Lane 6 :** Rat colon lysate

**Lane 7 :** NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

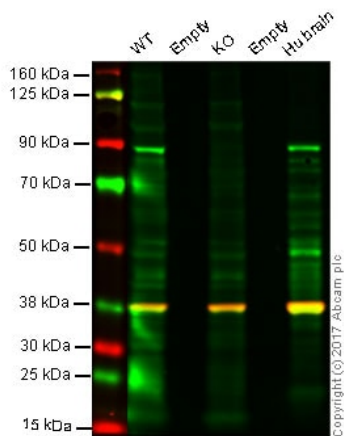
**Predicted band size:** 82 kDa

**Observed band size:** 47,82 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

[ab181602](#) was used as GAPDH loading control.

This antibody recognizes isoforms of AL, AS, BS and BL.



Western blot - Anti-DCAMKL1 antibody [EPR6085] (ab109029)

**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

**Lane 2:** Knockout HAP1 whole cell lysate (20 µg)

**Lane 3:** DCLK1 (KO) whole cell lysate (20 µg)

**Lane 4:** Empty whole cell lysate (20 µg)

**Lane 5:** Hu brain whole cell lysate (20 µg)

**Lanes 1 - 5:** Merged signal (red and green). Green - ab109029 observed at 90 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab109029 was shown to specifically react with DCLK1 in wild-type HAP1 cells along with additional cross reactive bands. No bands were observed when knockout samples were used. Wild-type and knockout samples were subjected to SDS-PAGE. Ab109029 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/10,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.

### 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-DCAMKL1 antibody [EPR6085] (ab109029)

**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