

# Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)] ab108351

リコンビナント **RabMAb**

★★★★☆ **4 Abreviews**   **17 References**   画像数 **4**

### 製品の概要

製品名	Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)]
製品の詳細	Rabbit monoclonal [EPR4151(2)] to Carbonic Anhydrase 9/CA9
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> 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	IHC: Human stomach tissue; WB: HT-29 cells and human stomach lysate.
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名                      EPR4151(2)

アイソタイプ                    IgG

## アプリケーション

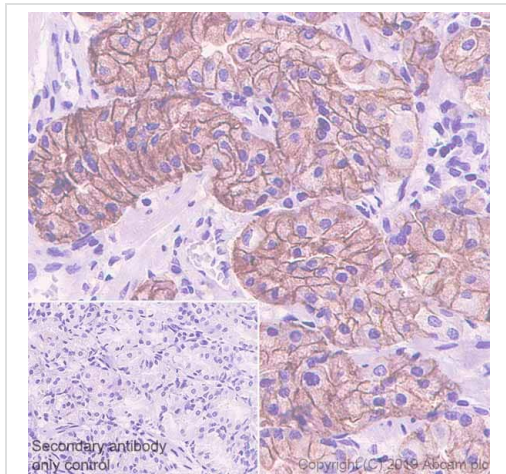
**The Abpromise guarantee**            Abpromise保証は、次のテスト済みアプリケーションにおけるab108351の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (3)	1/1000 - 1/10000. Detects a band of approximately 54 kDa (predicted molecular weight: 50 kDa).
IHC-P	★★★★☆ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .

## ターゲット情報

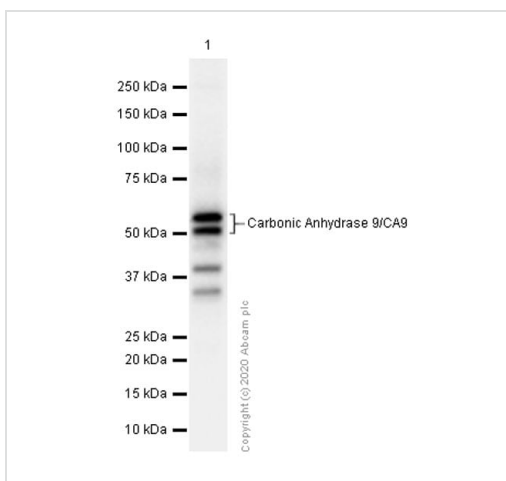
機能	Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.
組織特異性	Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.
配列類似性	Belongs to the alpha-carbonic anhydrase family. Contains 1 alpha-carbonic anhydrase domain.
翻訳後修飾	Asn-346 bears high-mannose type glycan structures.
細胞内局在	Nucleus. Nucleus, nucleolus. Cell membrane. Cell projection, microvillus membrane. Found on the surface microvilli and in the nucleus, particularly in nucleolus.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)] (ab108351)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human stomach tissue sections labeling Carbonic Anhydrase 9/CA9 with Purified ab108351 at 1:150 dilution (0.89 µg/ml). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)] (ab108351)

Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)] (ab108351) at 1/10000 dilution (Purified) + HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate at 20 µg

#### Secondary

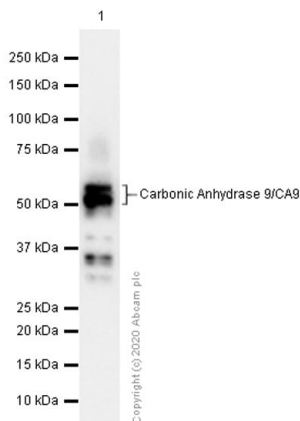
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 50 kDa

**Observed band size:** 54, 58 kDa

The molecular weight observed is consistent with what has been described in the literature (PMID: 12966427, 30734594 and 15951534).

Blocking Buffer and concentration: 5% NFDm/TBST



Western blot - Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)] (ab108351)

Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)]  
(ab108351) at 1/10000 dilution (Purified) + Human stomach lysate  
at 20 µg

### Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with  
human IgG at 1/2000 dilution

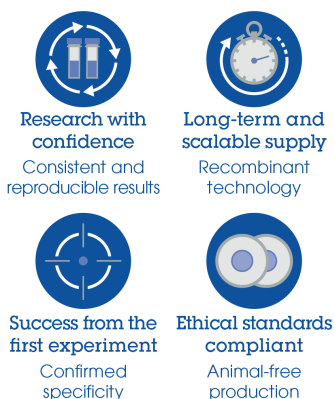
**Predicted band size:** 50 kDa

**Observed band size:** 54, 58 kDa

The molecular weight observed is consistent with what has been  
described in the literature (PMID: 12966427, 30734594 and  
15951534).

Blocking Buffer and concentration: 5% NFDM/TBST

### Why choose a recombinant antibody?



Anti-Carbonic Anhydrase 9/CA9 antibody  
[EPR4151(2)] (ab108351)

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

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