

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

 **RabMAb**

★★★★☆ **4 Abreviews** **17 References** **4 图像**

概述

产品名称	Anti-Carbonic Anhydrase 9/CA9抗体[EPR4151(2)]
描述	兔单克隆抗体[EPR4151(2)] to Carbonic Anhydrase 9/CA9
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC: Human stomach tissue; WB: HT-29 cells and human stomach lysate.
常规说明	<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> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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>

性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
纯度	Protein A purified
克隆	单克隆

克隆编号EPR4151(2)

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab108351于以下的经测试应用

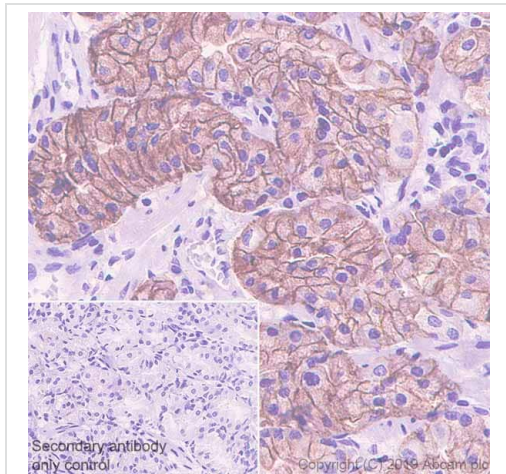
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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 <u>IHC antigen retrieval protocols</u> .

靶标

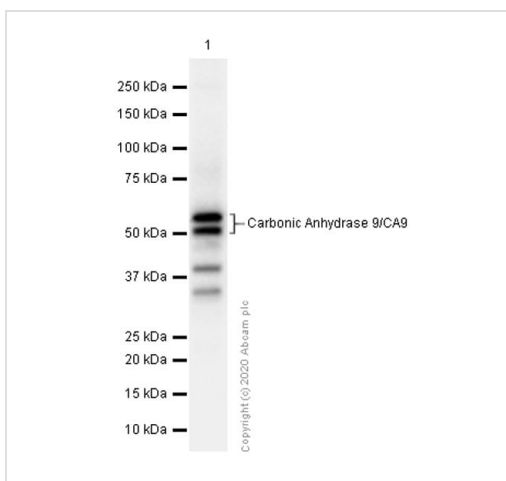
功能	Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.
组织特异性	Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.
序列相似性	Belongs to the alpha-carbonic anhydrase family. Contains 1 alpha-carbonic anhydrase domain.
翻译后修饰	Asn-346 bears high-mannose type glycan structures.
细胞定位	Nucleus. Nucleus, nucleolus. Cell membrane. Cell projection, microvillus membrane. Found on the surface microvilli and in the nucleus, particularly in nucleolus.

图片



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

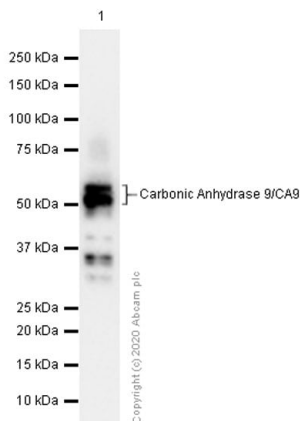
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

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

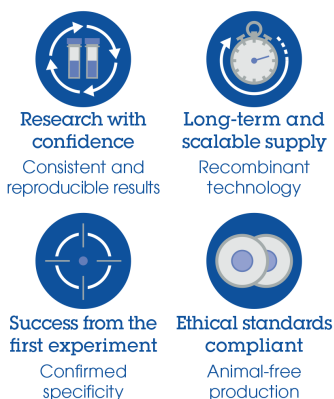
Predicted band size: 50 kDa

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)

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