



### Anti-Carbonic Anhydrase 9/CA9 antibody ab15086

★★★★★ [4 Abreviews](#) [134 References](#) [5 图像](#)

#### 概述

产品名称	Anti-Carbonic Anhydrase 9/CA9抗体
描述	兔多克隆抗体to Carbonic Anhydrase 9/CA9
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), ICC, IHC-Fr, IHC-P, WB
种属反应性	与反应: Rat, Human
免疫原	<p>Synthetic peptide corresponding to Human Carbonic Anhydrase 9/CA9 aa 359-459. Sequence:</p> <p>LSDTLWGPGDSRLQLNFRATQPLNGRVIEASFPAGVDSSPRA AEPVQLNS CLAAGDILALVFGLLFAVTSVAFLVQMRRQHRRGTKGGVSYR PAEVAETG A</p> <p>Database link: <a href="#">Q16790</a> (Peptide available as <a href="#">ab109840</a>)</p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
阳性对照	WB: Ramos, A549, HeLa and MDA-MB-231 cell lysates; Rat renal cortex lysate. Intr Flow Cyt: A-431 and U-87 MG cells. ICC: A-431 cells. IHC-Fr: Human renal cell cancer tumor sections. IHC-P: Human breast cancer sections.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40

	Preservative: 0.1% Sodium azide
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab15086于以下的经测试应用

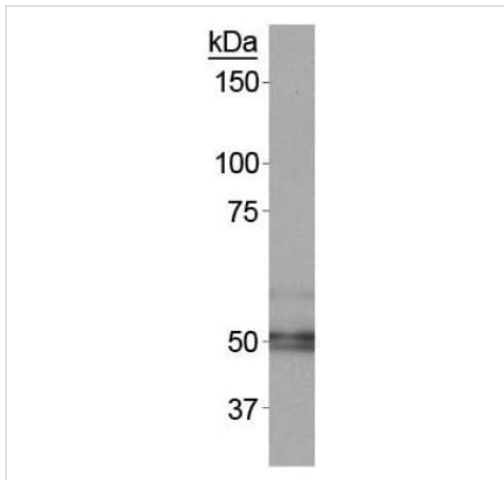
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/1000.
ICC		Use a concentration of 2 - 5 µg/ml.
IHC-Fr	★★★★★ (1)	1/200 - 1/500.
IHC-P	★★★★★ (2)	1/200 - 1/500.
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 49.7 kDa).Can be blocked with <b>Recombinant Human RND1 protein (ab109840)</b> .

靶标

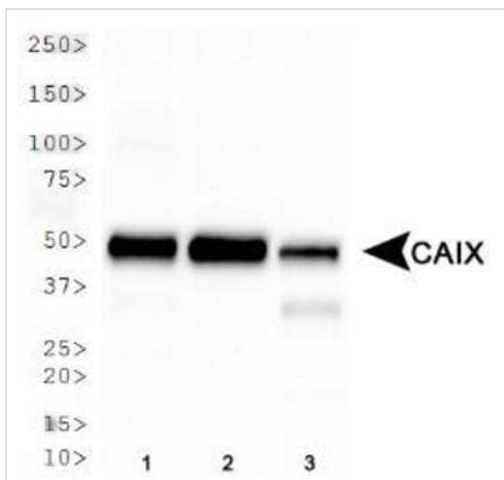
功能	Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.
组织特异性	Expressed primarily in carcinoma cells lines. Expression is restricted to very few 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



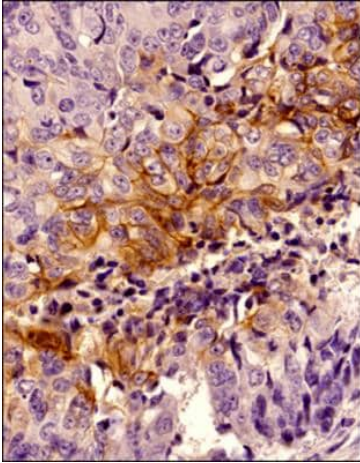
Western blot - Anti-Carbonic Anhydrase 9/CA9 antibody (ab15086)

Western blot analysis labeling Carbonic Anhydrase 9/CA9 with ab15086 at 1 ug/ml in rat renal cortex lysate.



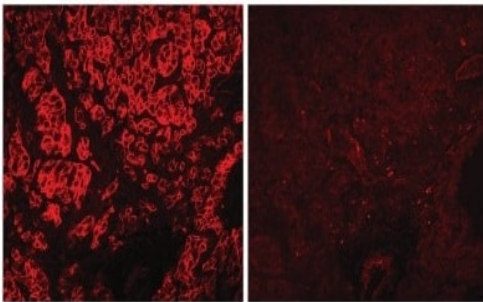
Western blot - Anti-Carbonic Anhydrase 9/CA9 antibody (ab15086)

Western blot analysis labeling Carbonic Anhydrase 9/CA9 with ab15086 at 1 ug/ml in 1) HeLa, 2) MDA-MB-231, and 3) A549 whole cell lysates.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carbonic Anhydrase 9/CA9 antibody (ab15086)

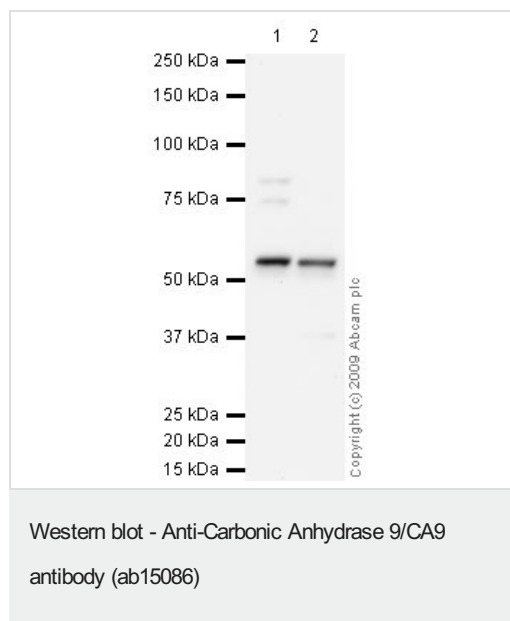
Immunohistochemistry analysis of a formalin-fixed, paraffin-embedded tissue section of human breast cancer using ab15086 at 1:1000 dilution. The primary antibody bound to Carbonic Anhydrase 9/CA9 antigens in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. This antibody generated an expected cytoplasmic staining of Carbonic Anhydrase 9/CA9 protein with an intense signal around the cellular membranes in tumor cores. The latter are more likely to be hypoxic in growing tumors which signifies that the observed Carbonic Anhydrase 9/CA9 staining is specific.



SDS epitope unmasking

Immunohistochemistry (Frozen sections) - Anti-Carbonic Anhydrase 9/CA9 antibody (ab15086)

Immunohistochemistry analysis of human renal cell cancer tumor cryosections stained with ab15086 at a 1/500 dilution (left) or normal rabbit serum (right).



**All lanes :** Anti-Carbonic Anhydrase 9/CA9 antibody (ab15086) at 1 µg/ml

**Lane 1 :** Ramos (Human Burkitt's lymphoma cell line) Whole Cell Lysate

**Lane 2 :** A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

**Predicted band size:** 49.7 kDa

**Observed band size:** 55 kDa

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

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