

Product datasheet

Anti-Carbonic Anhydrase 9/CA9 antibody [SP106] ab105226

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Carbonic Anhydrase 9/CA9 antibody [SP106]
Description	Rabbit monoclonal [SP106] to Carbonic Anhydrase 9/CA9
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Carbonic Anhydrase 9/CA9 aa 400 to the C-terminus (internal sequence). The exact sequence is proprietary. Database link: Q16790
Positive control	Human stomach tissue; Ramos cell lysate
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal

Clone number	SP106
Isotype	IgG

Applications

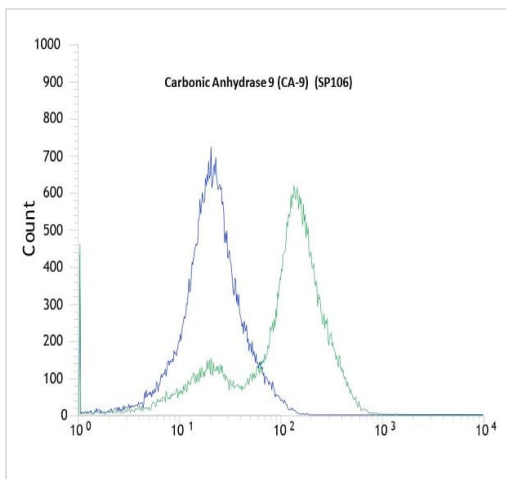
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab105226 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Flow Cyt		Use at an assay dependent concentration. <u>ab172730</u> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

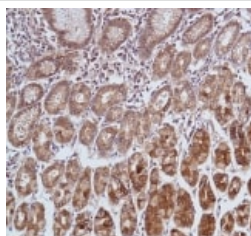
Function	Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.
Tissue specificity	Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.
Sequence similarities	Belongs to the alpha-carbonic anhydrase family. Contains 1 alpha-carbonic anhydrase domain.
Post-translational modifications	Asn-346 bears high-mannose type glycan structures.
Cellular localization	Nucleus. Nucleus, nucleolus. Cell membrane. Cell projection, microvillus membrane. Found on the surface microvilli and in the nucleus, particularly in nucleolus.

Images



Flow cytometric analysis of rabbit anti-Carbonic Anhydrase 9/CA9 (SP106) antibody ab105226 (1/100) in HT29 cells (green) compared to negative control of rabbit IgG (blue).

Flow Cytometry - Anti-Carbonic Anhydrase 9/CA9 antibody [SP106] (ab105226)



ab105226, at 1/100 dilution, staining Carbonic Anhydrase 9/CA9 in formalin-fixed, paraffin-embedded Human stomach tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carbonic Anhydrase 9/CA9 antibody [SP106] (ab105226)

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-Carbonic Anhydrase 9/CA9 antibody [SP106] (ab105226)

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

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 - 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

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