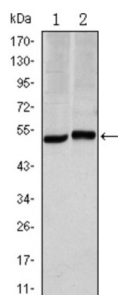
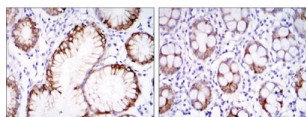


## Carbonic Anhydrase 9 (CA9) Antibody

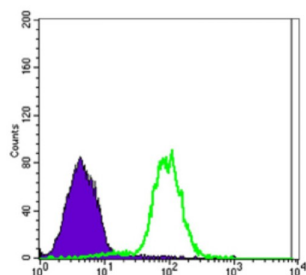
Catalogue No.: abx010480



Western blot analysis using CA9 antibody against Hela (1) and A549 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded stomach tissues (left) and colon tissues (right) using CA9 antibody with DAB staining.



Flow cytometric analysis of NTERA-2 cells using CA9 antibody (green) and negative control (purple).

CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. 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.

**Target:** Carbonic Anhydrase 9 (CA9)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC, FCM

**Host:** Mouse

# Datasheet

Version: 3.0.0  
Revision date: 14 Jun 2025



**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of human CA9 expressed in E. coli.

**Isotype:** IgG<sub>1</sub>

**Form:** Liquid

**Purification:** Unpurified ascites.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** Q16790 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** CA9

**GeneID:** [768](#)

**OMIM:** [603179](#)

**HGNC:** 1383

**KEGG:** hsa:768

**Ensembl:** ENSG00000107159

**String:** [9606.ENSP00000367608](#)

**Molecular Weight:** 50 kDa

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.