

Datasheet for ABIN6137798  
**anti-CA9 antibody (AA 52-151)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	CA9
Binding Specificity:	AA 52-151
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 52-151 of human Carbonic Anhydrase 9 (CA9/G250) (NP_001207.2).
Sequence:	GSSGEDDPLG EEDLPSEEDS PREEDPPGEE DLPGEEDLPG EEDLPEVKPK SEEEGSLKLE DLPTVEAPGD PQEPQNNHR DKEGDDQSHW RYGGDPPWPR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

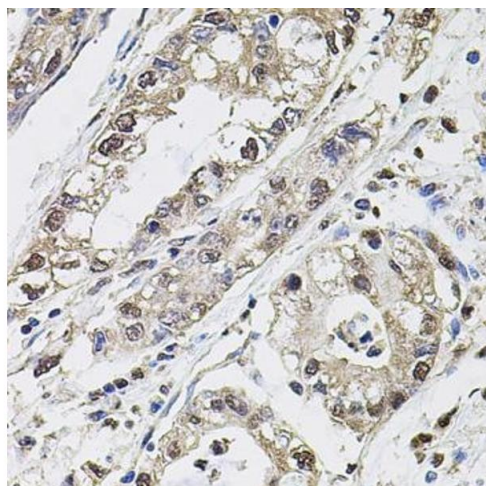
Target:	CA9
Alternative Name:	CA9 ( <a href="#">CA9 Products</a> )
Background:	Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA IX is a transmembrane protein and is one of only two tumor-associated carbonic anhydrase isoenzymes 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. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12.,CA9,CAIX,MN,Cancer,Signal Transduction,Endocrine & Metabolism,Cardiovascular,Hypoxia,CA9
Molecular Weight:	49 kDa
Gene ID:	768
UniProt:	<a href="#">Q16790</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

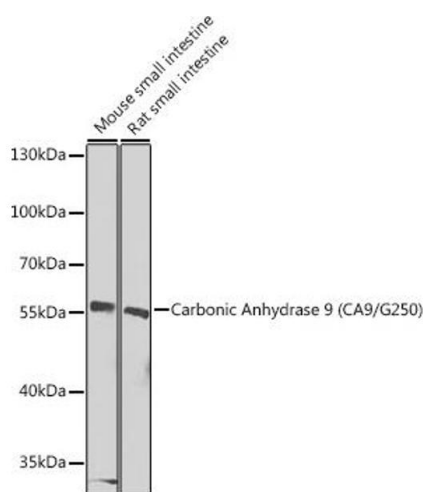
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



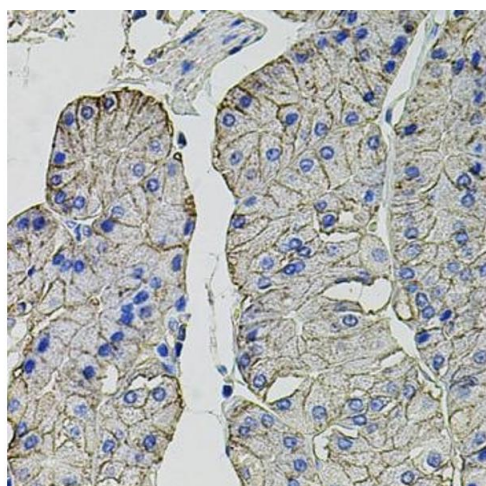
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human gastric cancer using Carbonic Anhydrase 9 (C/G250) antibody (ABIN6131266, ABIN6137798, ABIN6137800 and ABIN6217767) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Carbonic Anhydrase 9 (C/G250) Antibody (ABIN6131266, ABIN6137798, ABIN6137800 and ABIN6217767) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human stomach using Carbonic Anhydrase 9 (C/G250) antibody (ABIN6131266, ABIN6137798, ABIN6137800 and ABIN6217767) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6137798.