

Rabbit anti-Human CA9 Polyclonal Antibody | anti-CA9 antibody

CA9 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284849	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA, Immunofluorescence

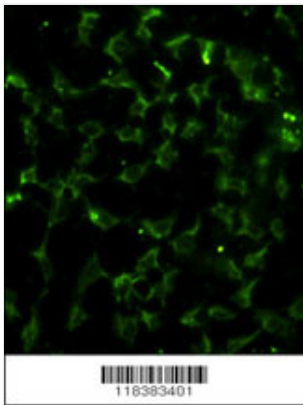
PRODUCT SYNONYMS

CA9; Polyclonal Antibody; CA9 Antibody (Center); Carbonic anhydrase 9; Carbonate dehydratase IX; Carbonic anhydrase IX; CA-IX; CAIX; Membrane antigen MN; P54/58N; Renal cell carcinoma-associated antigen G250; RCC-associated antigen G250; pMW1; G250; MN; anti-CA9 antibody

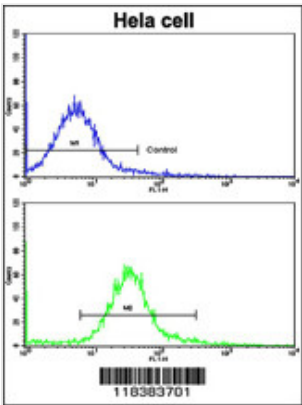
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CA9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-143 amino acids from the Central region of human CA9.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	113-143
Sequence Length	459
Applicable Applications for anti-CA9 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

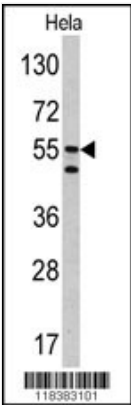
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of CA9 Antibody (Center) with hela cells. 0.025 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of hela cells using CA9 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of CA9 antibody (Center) in HeLa cell line lysates (35ug/lane). CA9 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 antibody	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 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.
Product Categories/Family for anti-CA9 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Grabmaier, K., et al., Oncogene 23(33):5624-5631 (2004). Kaluzova, M., et al., Mol. Cell. Biol. 24(13):5757-5766 (2004). Span, P.N., et al., Br. J. Cancer 89(2):271-276 (2003). Hedley, D., et al., Clin. Cancer Res. 9(15):5666-5674 (2003). Bui, M.H., et al., Clin. Cancer Res. 9(2):802-811 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	169636420
NCBI GeneID	768

NCBI Accession #	NP_001207.2
NCBI GenBank Nucleotide #	NM_001216.2
UniProt Accession #	Q16790 ; Q5T4R1
Molecular Weight	49698
NCBI Official Full Name	carbonic anhydrase 9
NCBI Official Synonym Full Names	carbonic anhydrase IX
NCBI Official Symbol	CA9
NCBI Official Synonym Symbols	MN; CAIX
NCBI Protein Information	carbonic anhydrase 9
UniProt Protein Name	Carbonic anhydrase 9
UniProt Gene Name	CA9
UniProt Synonym Gene Names	G250; MN; CA-IX; CAIX; RCC-associated antigen G250
UniProt Entry Name	CAH9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ca9-antibody-flow-cytometry-western-blot-immunofluorescence-elisa/284849>