

Mouse anti-Human, Horse Carbonic Anhydrase IX Monoclonal Antibody | anti-CA9 antibody

Carbonic Anhydrase IX (Renal Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62798	Mouse	Human, Horse	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

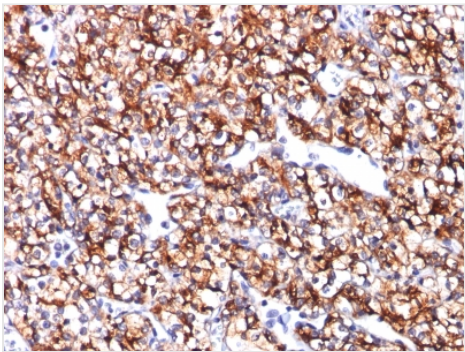
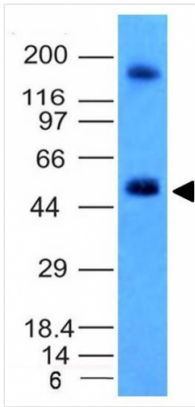
PRODUCT SYNONYMS

Carbonic Anhydrase IX; Monoclonal Antibody; Carbonic Anhydrase IX (Renal Cell Marker) Mouse Monoclonal Antibody; CA-IX; CA9; CAH9_HUMAN; CAIX; Carbonate dehydratase IX; Carbonic anhydrase 9; Carbonic anhydrase IX; Carbonic dehydratase; G250; Membrane antigen MN; P54/58N; pMW1; RCC-associated antigen G250; Renal cell carcinoma-associated antigen G250; anti-CA9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Horse
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	CA9/781
Specificity	Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200). Carbonic Anhydrases (CAs) are members of a large family of zinc metallo-enzymes that catalyze the reversible hydration of carbon dioxide. CAs are involved 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 juice. They show extensive diversity in distribution and in their subcellular localization. CA IX is specifically expressed in clear-cell renal carcinomas.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	459
Applicable Applications for anti-CA9 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface and Cytoplasmic
Immunogen	Recombinant human CA9 protein
Hu-Chromosome Location	9p13.3
Positive Control	Normal kidney or renal cell carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CAIX Monoclonal Antibody (CA9/781).

WB (Western Blot)
Western Blot Analysis of HCT116 Cell Lysate using CAIX Monoclonal Antibody (CA9/781).

ADDITIONAL INFORMATION

References	Sly, W.S., et al. 1995. Human Carbonic Anhydrases and Carbonic Anhydrase deficiencies. Annu. Rev. Biochem. 64: 375-401
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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	55kDa
NCBI Official Full Name	carbonic anhydrase 9
NCBI Official Synonym Full Names	carbonic anhydrase 9
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/carbonic-anhydrase-ix-antibody-clone-ca9-781-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62798>