

Rabbit anti-Human Carbonic Anhydrase 9 Monoclonal Antibody | anti-CA9 antibody

Carbonic Anhydrase 9 Antibody

CATALOG # AAA312379	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

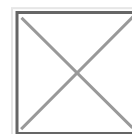
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JJ088-9
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CA9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Carbonic anhydrase 9 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Carbonic anhydrase 9 on human lung lysates using anti-Carbonic anhydrase 9 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 antibody	Carbonic anhydrases (CAs) are members of a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. CAs are involved in a variety of biological processes including respiration, calcification, acid-base balance and bone resorption, as well as the formation of aqueous humor, cerebrospinal fluid, saliva and gastric juice. They show extensive diversity in distribution and in their subcellular localization. The human CA2 gene, which maps to chromosome 8q21, encodes CA II, a cytoplasmic protein that has the highest turnover rate and widest tissue distribution of any known human CA isozyme. The human CA4 gene, which maps to chromosome 17q23, encodes CA IV, a membrane-anchored isozyme that is expressed on the luminal surfaces of pulmonary capillaries and proximal renal tubules. The human CA9, CA12 and CA14 genes, which map to chromosomes 9p13, 15q22 and 1q21, respectively, encode transmembrane proteins that have unique patterns of tissue-specific expression. CA IX is specifically expressed in clear-cell renal carcinomas, whereas CA XII is highly expressed in normal tissues, such as kidney, colon and pancreas. Human CA XIV is also expressed in normal tissues, such as brain, but differs from CA XII in its expression pattern.
Product Categories/Family for anti-CA9 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	119578763
NCBI GeneID	768
UniProt Accession #	Q16790; Q5T4R1
Molecular Weight	49,698 Da
NCBI Official Full Name	carbonic anhydrase IX
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

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://stage.aaabiotech.com/monoclonal/carbonic-anhydrase-9-antibody-clone-jj088-9-immunohistochemistry-western-blot-elisa/312379>