

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

Carbonic Anhydrase IX Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300784	Mouse	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Carbonic Anhydrase IX; Monoclonal Antibody; Carbonic Anhydrase IX Mouse Monoclonal Antibody; CA-IX; CA9; CAH9; CAIX; Car9; Carbonate dehydratase IX; Carbonic anhydrase 9; anti-CA9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	CA IX Mouse Monoclonal antibody detects endogenous CA IX protein.s
Purity/Purification	Affinity purification using immunogen.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-CA9 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Target Name	Carbonic Anhydrase IX
Preparation and Storage	Store at -20°C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue.1,CA IX Monoclonal Antibody(12F10) was diluted at 1:200(4C,overnight).2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min).3,Secondary antibody was diluted at 1:200(room temperature, 30min).Negative control was used by secondary antibody only.



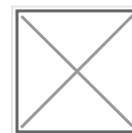
IF (Immunofluorescence)

Immunofluorescence analysis of human-liver-cancer tissue.1,CA IX Monoclonal Antibody(12F10)(red) was diluted at 1:200(4C,overnight).2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min.Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



WB (Western Blot)

1B'B'Input: Hela Cell Lysate2B'B'IP product: IP dilute 1:200Western blot analysis: primary antibody : AAA300784 1:2,000Secondary antibody: Goat anti-Mouse IgG, Light chain specific, 1:5,000



WB (Western Blot)

Western blot analysis of 1) Hela, 2) 293T, using AAA300784 diluted at 1:5,000.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 antibody	The carbonic anhydrases (or carbonate dehydratases) form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons (or vice versa), a reversible reaction that occurs rather slowly in the absence of a catalyst. CAIX is considered to be one of the best cellular biomarkers of hypoxia. Furthermore, recent studies examining the association between CAIX levels and various clinicopathological outcomes suggest that CAIX expression may also be a valuable prognostic indicator for overall survival. Antibodies against CAIX serve as excellent excellent biomarkers of hypoxic regions in many solid tumors.
Product Categories/Family for anti-CA9 antibody	Total protein Ab

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	SDS-PAGE MW: 49kd
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.

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-immunofluorescence-immunohistochemistry-western-blot-elisa/300784>