

Mouse anti-Human CA9 Monoclonal Antibody | anti-CA9 antibody

CA9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108668	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CA9; Monoclonal Antibody; CA9 Antibody; MN; CAIX; anti-CA9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2D3
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	459
Applicable Applications for anti-CA9 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human CA9 expressed in E. Coli.
Conjugate	AF647
Preparation and Storage	Store at +4°C short term (1-2 weeks). Upon receipt aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.

IMAGES



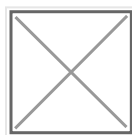
FCM/FACS (Flow Cytometry)

Figure 3: Flow cytometric analysis of NTERA-2 cells using CA9 mouse mAb (green) and negative control (purple).



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded stomach tissues (left) and colon tissues (right) using CA9 mouse mAb with DAB staining.



WB (Western Blot)

Figure 1: Western blot analysis using CA9 mouse mAb against Hela (1) and A549 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 antibody	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. Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia. Tissue specificity: Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.
Product Categories/Family for anti-CA9 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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	50kDa
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

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/ca9-antibody-clone-2d3-flow-cytometry-immunohistochemistry-western-blot-elisa/108668>