

Mouse anti-Human CA IX Monoclonal Antibody | anti-CAIX antibody

CA IX Monoclonal Antibody (12F10)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30813	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, Immunohistochemistry, Immunoprecipitation

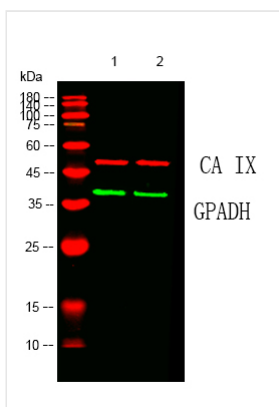
PRODUCT SYNONYMS

CA IX; Monoclonal Antibody; CA IX Monoclonal Antibody (12F10); Carbonic anhydrase 9; CA9; G250; MN; 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; anti-CAIX antibody

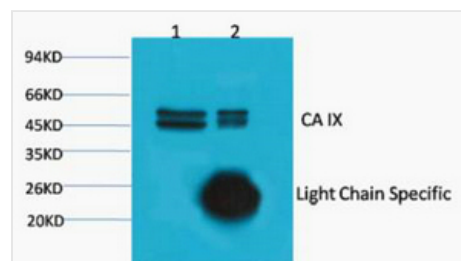
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	12F10
Specificity	The antibody detects endogenous CA IX proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-CAIX antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Application Notes	IF: 1:50-200 WB: 1:3000 IP: 1:200 IHC: 1:50-300
Immunogen	Synthetic Peptide of CA IX
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

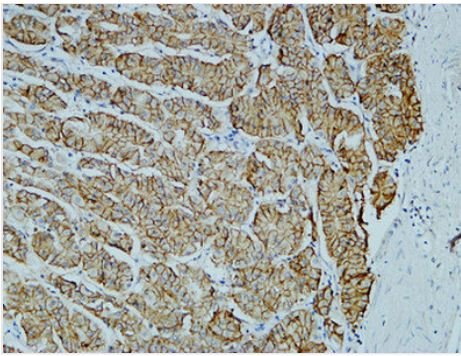
IMAGES



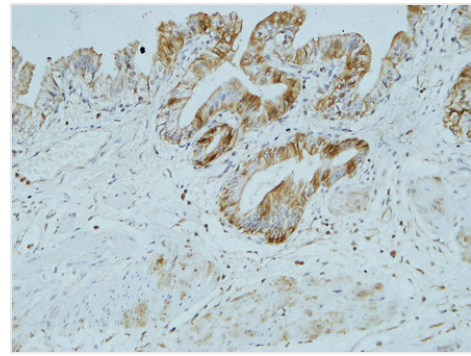
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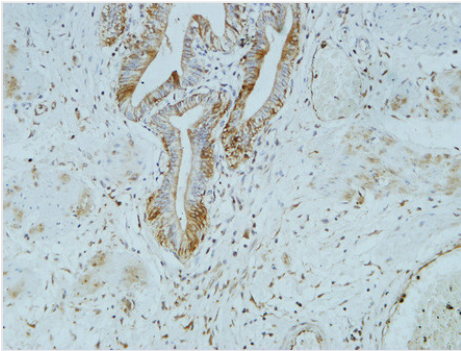
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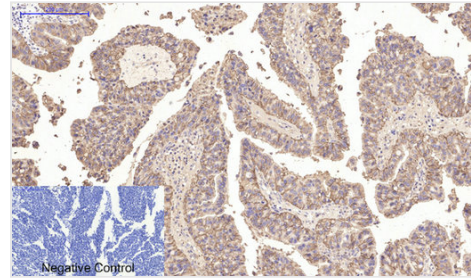
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WB (Western Blot)

Western blot analysis of lysates from 1) HeLa. 2) 293T cells. (Green) primary antibody was diluted at 1:1000. 4 degree over night. Dylight 800 secondary antibody(Assay Biotech:SA0438)was diluted at 1:10000. 37 degree 1hour. (Red) Tubulin ? Polyclonal Antibody (Assay Biotech:C0380) antibody was diluted at 1:5000 as loading control. 4 degree over night.Dylight 680 secondary antibody(Assay Biotech:SA0437)was diluted at 1:10000. 37 degree 1hour.

ADDITIONAL INFORMATION

Related Product Information for anti-CAIX 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 is one of only two tumor-associated carbonic anhydrase isoenzymes 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. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12. [provided by RefSeq, Jun 2014]
Product Categories/Family for anti-CAIX antibody	Primary Antibodies

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/ca-ix-antibody-clone-12f10-immunofluorescence-immunocytochemistry-western-blot-immunohistochemistry-immunoprecipitation-elisa/30813>