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

Anti-Carbonic Anhydrase 9 Antibody Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293376	**Mouse**	**Human**	**Immunohistochemistry, Immunoprecipitation, Western Blot**

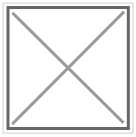
PRODUCT SYNONYMS

Carbonic Anhydrase 9; Monoclonal Antibody; Anti-Carbonic Anhydrase 9 Antibody Antibody; G250; MN; Carbonic anhydrase 9; 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-CA9 antibody

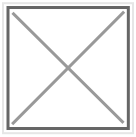
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of Carbonic Anhydrase 9 protein. protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-CA9 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Cellular Location	Nucleus. Nucleus, nucleolus. Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein. Note=Found on the surface microvilli and in the nucleus, particularly in nucleolus
Tissue Location	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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

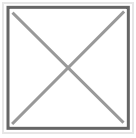
IMAGES



IP (Immunoprecipitation)
Dilution: WB (1/1000 - 1/3000), IH (1/100 - 1/200), IP (1/50 - 1/200



IHC (Immunohiostchemistry)
Dilution: WB: (1/1000 - 1/3000), IH (1/100 - 1/200), IP (1/50 - 1/200)Immunohistochemical analysis of Carbonic Anhydrase 9 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Dilution: WB (1/1000 - 1/3000), IH (1/100 - 1/200), IP (1/50 - 1/200)Western blot analysis of Carbonic Anhydrase 9 expression in Hela (A), 293T (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 antibody	Mouse monoclonal antibody to Carbonic Anhydrase 9 KLH-conjugated synthetic peptide encompassing a sequence of human Carbonic Anhydrase 9. The exact sequence is proprietary. 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/carbonic-anhydrase-9-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/293376