

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

Anti-Human Carbonic Anhydrase IX [M75]

CATALOG # AAA72298	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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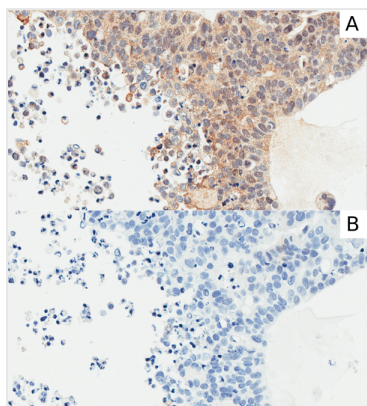
PRODUCT SYNONYMS

Carbonic Anhydrase IX; Anti-Human Carbonic Anhydrase IX [M75]; CA9; anti-CA9 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	M75
Specificity	This antibody binds to the epitope APGEEDLPA of human carbonic anhydrase IX.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CA9 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Pub PMID	18041760
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of human MCF-7 tumour cell spheroid sections using anti-CAIX antibody M75. Anti-CAIX staining of formaldehyde fixed paraffin embedded human MCF-7 tumour cell spheroid sections, at 40x magnification. The mouse IgG1-chimeric version of M75 (AAA72298) successfully detected CAIX.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 antibody	MaTu-infected HeLa cells (MaTu=Mammary Tumour) Describes how the MaTu antigen acts as a quasi-viral agent and the generation of monoclonal antibodies against it. This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques. This antibody binds to human carbonic anhydrase IX, which reversibly hydrates carbon dioxide and participates in pH regulation. It is involved in control of cell proliferation and can contribute towards transformation. CA9 has recently been identified as a biomarker for cervical neoplasia (PubMed: 19670419).
Product Categories/Family for anti-CA9 antibody	Cancer; Homeostasis; Physiology; Biomarker
References	Pastorekova et al. Virology 1992; 187(2):620-626

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.