

Rabbit CA9 Polyclonal Antibody | anti-CA9 antibody

CA9 Polyclonal Antibody

CATALOG # AAA174297	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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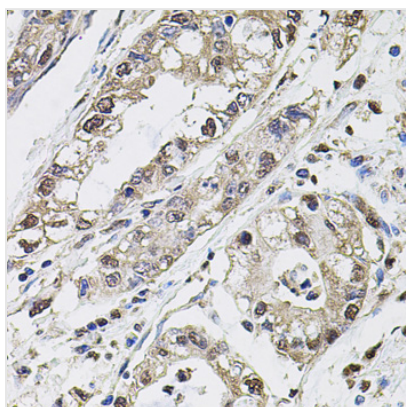
PRODUCT SYNONYMS

CA9; Polyclonal Antibody; CA9 Polyclonal Antibody; CA-IX; CAH9; CAIX; Carbonate dehydratase IX; Carbonic anhydrase 9; Carbonic anhydrase IX; Carbonic dehydratase; G250; Membrane antigen MN; MN; P54/58N; pMW1; RCC associated protein G250; RCC-associated antigen G250; Renal cell carcinoma-associated antigen G250; anti-CA9 antibody

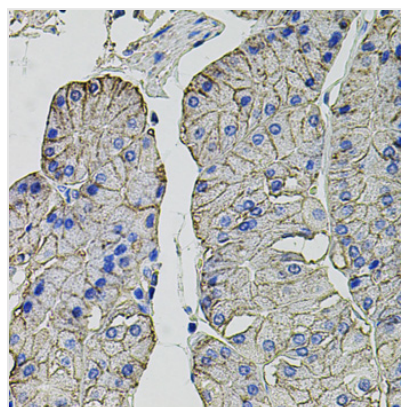
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	459
Applicable Applications for anti-CA9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CA9
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

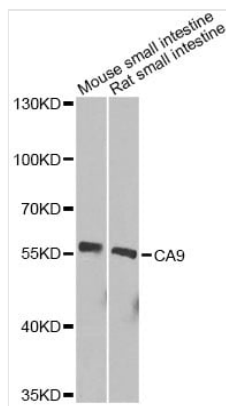
IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human gastric cancer using CA9 antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human stomach using CA9 antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CA9 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CA9 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.

Product Categories/Family for anti-CA9 antibody

[Cancer](#); [Cardiovascular](#); [Metabolism](#); [Signal transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	169636420
NCBI GeneID	768
NCBI Accession #	NP_001207.2
NCBI GenBank Nucleotide #	NM_001216.3
UniProt Accession #	Q16790; Q5T4R1
Molecular Weight	Calculated: 49kDa Observed: 58kDa
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.

