

Rabbit Carbonic Anhydrase I Monoclonal Antibody | anti-CA1 antibody

Carbonic Anhydrase I Antibody

CATALOG # AAA312682	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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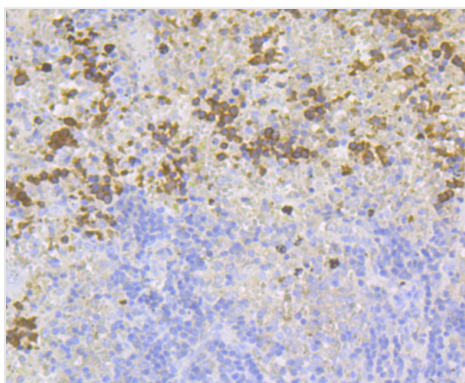
PRODUCT SYNONYMS

Carbonic Anhydrase I; Monoclonal Antibody; Carbonic Anhydrase I Antibody; CA 1 antibody; CA I antibody; CA-I antibody; CA1 antibody; CAB antibody; CAH1_HUMAN antibody; CAI antibody; CAN antibody; Car 1 antibody; Car1 antibody; Carbonate dehydratase I antibody; Carbonic anhydrase 1 antibody; Carbonic anhydrase A antibody; Carbonic anhydrase B antibody; Carbonic anhydrase B; formerly antibody; Carbonic anhydrase I antibody; Carbonic dehydratase antibody; ECK0125 antibody; JW0122 antibody; yadF antibody; anti-CA1 antibody

PRODUCT SPECIFICATIONS

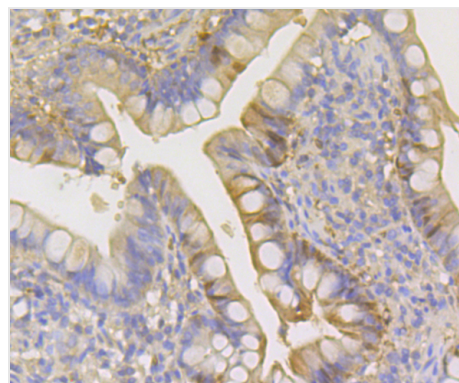
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JG38-71
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein within human Carbonic Anhydrase I aa 1-200.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



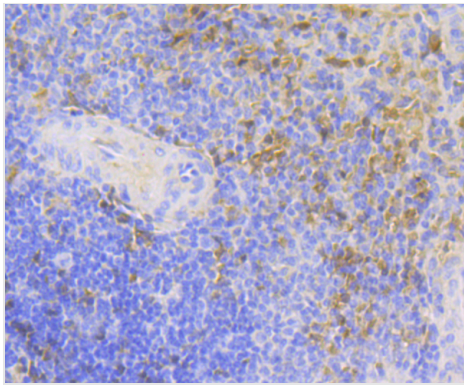
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-Carbonic Anhydrase I antibody. Counter stained with hematoxylin.



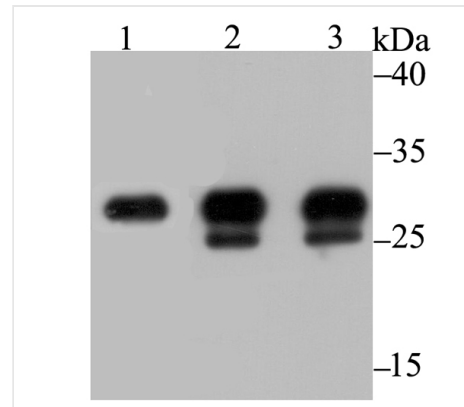
IHC (Immunohistochemisry)

Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-Carbonic Anhydrase I antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Carbonic Anhydrase I antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Carbonic Anhydrase I on different lysates using anti-Carbonic Anhydrase I antibody at 1/1, 000 dilution. Positive control: Lane 1: Human colon Lane 2: Mouse spleen Lane 3: Mouse colon

ADDITIONAL INFORMATION

Related Product Information for anti-CA1 antibody

Carbonic anhydrases (CAs), also designated carbonate dehydratases or carbonate hydrolyases, form a large family of genes that encode zinc metalloenzymes of great physiologic importance. As catalysts of the reversible hydration of carbon dioxide, these enzymes participate in a variety of biologic processes, including respiration, acid-base balance, bone resorption and calcification as well as the formation of aqueous humor, cerebrospinal fluid, saliva and gastric acid. Genes in the alpha-carbonic anhydrase family encode either active carbonic anhydrase isozymes or "acatalytic" (devoid of CO₂ hydration activity) carbonic anhydrase-related proteins. Human CA I (CA1) is encoded by the CA1 gene, which maps to a region on chromosome 8 that harbors a cluster of CA genes. CA I localizes to the cytoplasm and research indicates that a severe deficiency of CA I does not result in any obvious hematological or renal consequences.

Product Categories/Family for anti-CA1 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	192447430
NCBI GeneID	759
NCBI Accession #	NP_001122301.1
NCBI GenBank Nucleotide #	NM_001128829.2
UniProt Accession #	P00915
Molecular Weight	28,870 Da
NCBI Official Full Name	carbonic anhydrase 1
NCBI Official Synonym Full Names	carbonic anhydrase I
NCBI Official Symbol	CA1
NCBI Official Synonym Symbols	CAB; CA-I; Car1
NCBI Protein Information	carbonic anhydrase 1; carbonic anhydrase B; carbonic dehydratase; carbonate dehydratase I
UniProt Protein Name	Carbonic anhydrase 1
UniProt Gene Name	CA1
UniProt Synonym Gene Names	CAB; CA-I
UniProt Entry Name	CAH1_HUMAN

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/carbonic-anhydrase-i-antibody-clone-jg38-71-immunohistochemistry-western-blot-elisa/312682>