

anti-Human, Rat CA1 Polyclonal Antibody | anti-CA1 antibody

Anti-CA1 Antibody

CATALOG # AAA46245	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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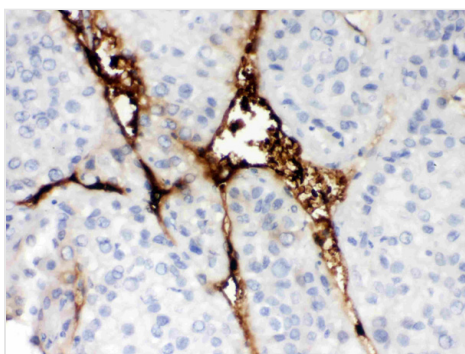
PRODUCT SYNONYMS

CA1; Polyclonal Antibody; Anti-CA1 Antibody; Carbonic anhydrase 1; CA 1; CA I; CA-I; CAB; CAH1_HUMAN; CAI; CAN; Car 1; Car1; Carbonate dehydratase I; Carbonic anhydrase B; Carbonic anhydrase I; Carbonic dehydratase; ECK0125; JW0122; yadF; carbonic anhydrase I; anti-CA1 antibody

PRODUCT SPECIFICATIONS

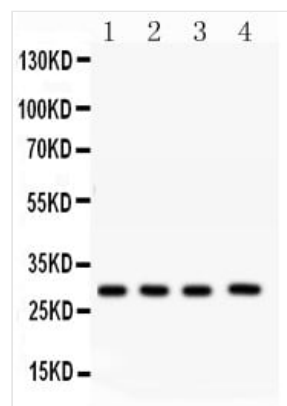
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	261
Applicable Applications for anti-CA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CA1 recombinant protein (Position: D9-F261). Human CA1 shares 78.5% and 81% amino acid (aa) sequence identity with mouse and rat CA1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-CA1 Picoband antibody, AAA46245, IHC(P)IHC(P): Human Liver Cancer Tissue



WB (Western Blot)

Anti-CA1 Picoband antibody, AAA46245, Western blottingAll lanes: Anti CA1 (AAA46245) at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: Rat Kidney Tissue Lysate at 50ugLane 4: Human Placenta Tissue Lysate at 50ugPredicted bind size: 29KDObserved bind size: 29KD

ADDITIONAL INFORMATION

Related Product Information for anti-CA1 antibody	Description: Rabbit IgG polyclonal antibody for Carbonic anhydrase 1(CA1) detection. Tested with WB, IHC-P in Human;Rat. Background: Carbonic anhydrase 1 is an enzyme that in humans is encoded by the CA1 gene. It is a member of the Carbonic anhydrase. The CA1 gene is mapped to 8q22. CAI has got about 260 amino acids. This protein is highly expressed in erythrocytes. As catalysts of the reversible hydration of carbon dioxide, CAI participates in a variety of biologic processes like respiration, calcification, acid-base balance etc.
References	1. Lowe N, Edwards YH, Edwards M, Butterworth PH (Nov 1991). "Physical mapping of the human carbonic anhydrase gene cluster on chromosome 8". Genomics 10 (4): 882-8. 2. "Entrez Gene: CA1 carbonic anhydrase I".

NCBI AND UNIPROT INFORMATION

NCBI GI #	192447430
NCBI GeneID	759
NCBI Accession #	NP_001122301.1
NCBI GenBank Nucleotide #	NM_001128829.3
UniProt Accession #	P00915
Molecular Weight	28,870 Da
NCBI Official Full Name	carbonic anhydrase 1 isoform a
NCBI Official Synonym Full Names	carbonic anhydrase 1
NCBI Official Symbol	CA1
NCBI Official Synonym Symbols	CAB; CA-I; Car1; HEL-S-11
NCBI Protein Information	carbonic anhydrase 1
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/polyclonal/ca1-antibody-immunohistochemistry-western-blot-elisa/46245>