

Rabbit anti-Human, Mouse Carbonic anhydrase 1 Polyclonal Antibody | anti-CA1 antibody

Rabbit anti-human Carbonic anhydrase 1 polyclonal Antibody

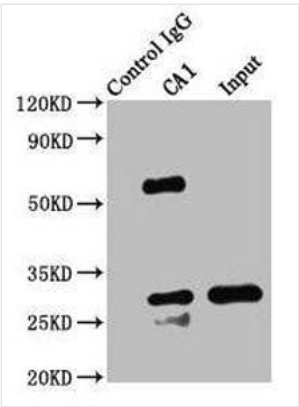
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26929	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

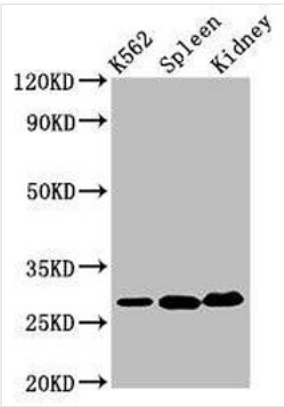
Carbonic anhydrase 1; Polyclonal Antibody; Rabbit anti-human Carbonic anhydrase 1 polyclonal Antibody; Carbonic anhydrase 1 (EC 4.2.1.1) (Carbonate dehydratase I) (Carbonic anhydrase B) (CAB) (Carbonic anhydrase I) (CA-I); CA1; anti-CA1 antibody

PRODUCT SPECIFICATIONS

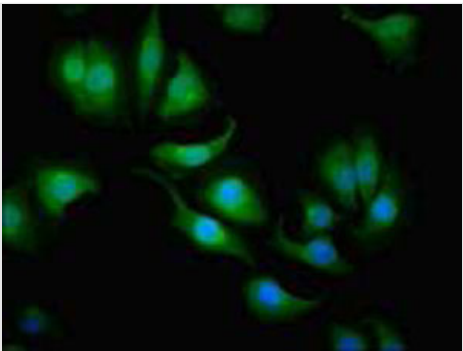
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	261
Applicable Applications for anti-CA1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000
Immunogen	Recombinant Human Carbonic anhydrase 1 protein (2-261AA)
Species	Human
Research Area	Cardiovascular
Target Names	CA1
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-50895 / sc-50898 / sc-50899 / sc-134853
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



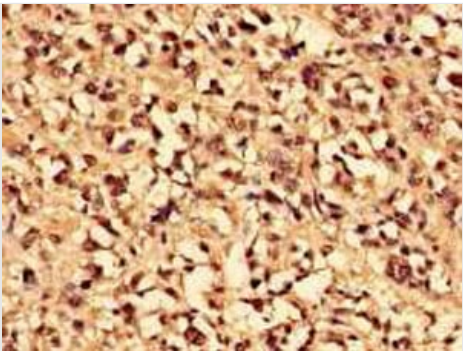
WB (Western Blot)
Immunoprecipitating CA1 in K562 whole cell lysate. Lane 1: Rabbit control IgG instead of AAA26929 in K562 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: AAA26929 (8ug) + K562 whole cell lysate (500ug). Lane 3: K562 whole cell lysate (20ug).



WB (Western Blot)
Western Blot. Positive WB detected in: K562 whole cell lysate, Mouse spleen tissue, Mouse kidney tissue. All lanes: CA1 antibody at 6.5ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 29 kDa. Observed band size: 29 kDa.



IF (Immunofluorescence)
Immunofluorescent analysis of A549 cells using AAA26929 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human melanoma using AAA26929 at dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-CA1 antibody	Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea.
Product Categories/Family for anti-CA1 antibody	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	192447430
NCBI GeneID	759
NCBI Accession #	NP_001122301.1
NCBI GenBank Nucleotide #	NM_001128829.3
UniProt Accession #	P00915
NCBI Official Full Name	carbonic anhydrase 1 isoform a
NCBI Official Synonym Full Names	carbonic anhydrase I
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/carbonic-anhydrase-1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/26929>