

Rabbit anti-Human Carbonic anhydrase 2 Polyclonal Antibody | anti-CA2 antibody

Rabbit anti-human Carbonic anhydrase 2 polyclonal Antibody

CATALOG # AAA230157	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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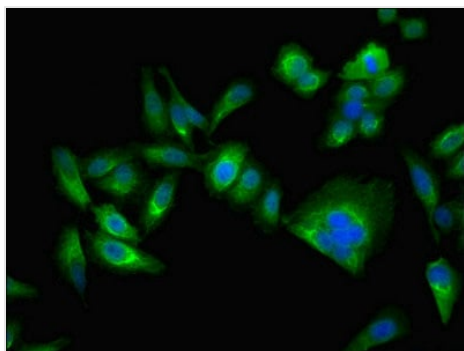
PRODUCT SYNONYMS

Carbonic anhydrase 2; Polyclonal Antibody; Rabbit anti-human Carbonic anhydrase 2 polyclonal Antibody; Carbonate dehydratase II; Carbonic anhydrase C; CAC; Carbonic anhydrase II; CA-II; CA2; anti-CA2 antibody

PRODUCT SPECIFICATIONS

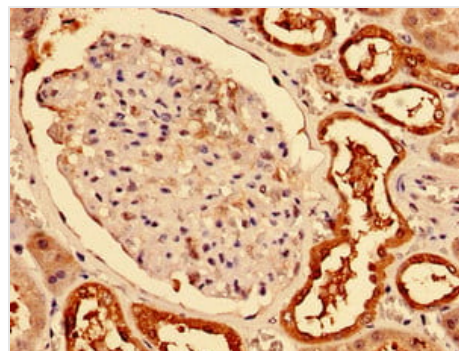
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	260
Applicable Applications for anti-CA2 antibody	WB (Western Blot), ELISA
Immunogen	Recombinant human Carbonic anhydrase 2 protein
Conjugation	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-17242 / sc-17246 / sc-17244 / sc-25596
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



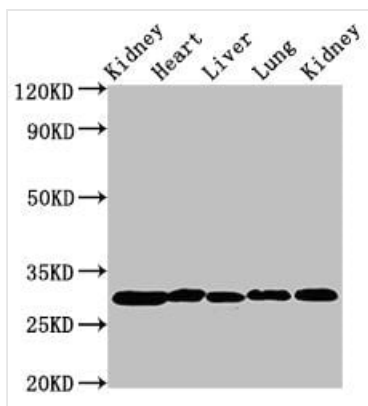
IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA230157 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



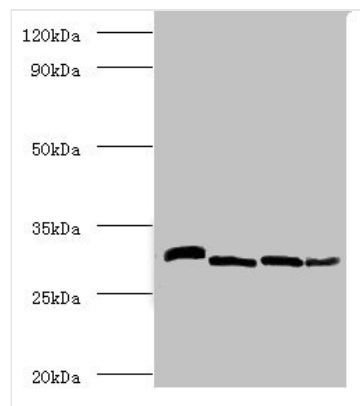
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA230157 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Rat kidney tissue, Rat heart tissue, Rat liver tissue, Mouse lung tissue, Mouse kidney tissue. All lanes: CA2 antibody at 2ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 30 KDa. Observed band size: 30 KDa.



WB (Western Blot)

Western blot. All lanes: Carbonic anhydrase 2 antibody at 2ug/ml. Lane 1: mouse brain tissue. Lane 2: 293T whole cell lysate. Lane 3: mouse heart tissue. Lane 4: mouse liver tissue. Secondary: Goat polyclonal to Rabbit IgG at 1/10000 dilution. Predicted band size: 29kDa. Observed band size: 29kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CA2 antibody

Essential for bone resorption and osteoclast differentiation. Reversible hydration of carbon dioxide. Can hydrate cyanamide to urea. Involved in the regulation of fluid secretion into the anterior chamber of the eye. Contributes to intracellular pH regulation in the duodenal upper villous epithelium during proton-coupled peptide absorption. Stimulates the chloride-bicarbonate exchange activity of SLC26A6.

CA2 is one of several (at least 7) isozymes of carbonic anhydrase. Carbonic anhydrase catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis.

Product Categories/Family for anti-CA2 antibody

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557395
NCBI GeneID	760
NCBI Accession #	NP_000058.1
NCBI GenBank Nucleotide #	NM_000067.2
UniProt Accession #	P00918 ; Q6FI12 ; Q96ET9 ; B2R7G8
Molecular Weight	29,246 Da
NCBI Official Full Name	carbonic anhydrase 2 isoform 1
NCBI Official Synonym Full Names	carbonic anhydrase II
NCBI Official Symbol	CA2
NCBI Official Synonym Symbols	CAC; CAII; Car2; CA-II; HEL-76; HEL-S-282
NCBI Protein Information	carbonic anhydrase 2
UniProt Protein Name	Carbonic anhydrase 2
UniProt Gene Name	CA2
UniProt Synonym Gene Names	CAC; CA-II
UniProt Entry Name	CAH2_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://www.aaabiotech.com/polyclonal/carbonic-anhydrase-2-antibody-western-blot-elisa/230157>