

Rabbit anti-Mouse Carbonic anhydrase II Monoclonal Antibody | anti-CA2 antibody

Recombinant Anti-Carbonic anhydrase II Antibody, Rabbit Monoclonal

CATALOG # AAA257207	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

Carbonic anhydrase II; Monoclonal Antibody; Recombinant Anti-Carbonic anhydrase II Antibody; Rabbit Monoclonal; Carbonic Anhydrase II/Car2 Antibody; Rabbit MAb; carbonic anhydrase II; Anti-AI131712 Antibody; Anti-Ca2 Antibody; Anti-CAII Antibody; Anti-Car-2 Antibody; Anti-Ltw-5 Antibody; Anti-Lvtw-5 Antibody; anti-CA2 antibody

PRODUCT SPECIFICATIONS

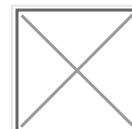
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	003
Specificity	Mouse Carbonic Anhydrase II/CA2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CA2 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse Carbonic Anhydrase II/CA2 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse Carbonic Anhydrase II/CA2 (rM Carbonic Anhydrase II/CA2).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse CA2 in mouse brain with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse CA2 in mouse intestine with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of mouse CA2 in mouse kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of mouse CA2 in mouse stomach with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CA2 antibody	The carbonic anhydrases (or carbonate dehydratases) are classified as metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrase (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase II is one of fourteen forms of human alpha carbonic anhydrases. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Renal carbonic anhydrase allows the reabsorption of sodium ions in the proximal tubule. Carbonic anhydrase II has been shown to interact with Band 3 and Sodium-hydrogen antiporter 1.
References	Lehtonen J, et al. (2004) Characterization of CA XIII, a Novel Member of the Carbonic Anhydrase Isozyme Family. The Journal of Biological Chemistry. 279: 2719-27. Lindskog S. (1997) Structure and mechanism of carbonic anhydrase. Pharmacology & Therapeutics. 74(1):1-20. Lillas A, et al. (1972) Crystal Structure of Human Carbonic Anhydrase C. Nature new biology. 235: 131-7. Li XJ, et al. (2002) Carbonic Anhydrase II Binds to and Enhances Activity of the Na ⁺ /H ⁺ Exchanger. The Journal of Biological Chemistry. 277: 36085-91.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33243954
NCBI GeneID	12349
Molecular Weight	29,033 Da
NCBI Official Full Name	Carbonic anhydrase 2
NCBI Official Synonym Full Names	carbonic anhydrase 2
NCBI Official Symbol	Car2
NCBI Official Synonym Symbols	Ca2; CAII; Car-2; Ltw-5; Lvtw-5; AI131712
NCBI Protein Information	carbonic anhydrase 2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/carbonic-anhydrase-ii-antibody-clone-003-immunohistochemistry-elisa/257207>