

Anti-CA2 / Carbonic Anhydrase II Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18175**Specification**

Anti-CA2 / Carbonic Anhydrase II Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P00918
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29246

Anti-CA2 / Carbonic Anhydrase II Antibody - Additional Information**Gene ID 760**Alias Symbol **CA2****Other Names**

CA2, CA-II, CAII, CAC, Car2, Carbonate dehydratase II, Carbonic anhydrase C, Carbonic anhydrase II, Carbonic dehydratase, Carbonic anhydrase 2, Carbonic anhydrase B

Target/Specificity

Human CA2 / Carbonic Anhydrase II

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-CA2 / Carbonic Anhydrase II Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CA2 / Carbonic Anhydrase II Antibody - Protein Information**Name CA2****Function**

Catalyzes the reversible hydration of carbon dioxide (PubMed:1909891, PubMed:1910042, PubMed:1336460, PubMed:8485129, PubMed:8399159, PubMed:8218160, PubMed:8262987, PubMed:8451242, PubMed:7901850, PubMed:7761440, PubMed:<a

[8639494](http://www.uniprot.org/citations/8639494), PubMed:9265618, PubMed:17330962, PubMed:9398308, PubMed:11327835, PubMed:12056894, PubMed:17346964, PubMed:12171926, PubMed:15453828, PubMed:16214338, PubMed:15865431, PubMed:16106378, PubMed:15300855, PubMed:15667203, PubMed:18942852, PubMed:11831900, PubMed:17251017, PubMed:17314045, PubMed:18618712, PubMed:1336460, PubMed:11802772, PubMed:14736236, PubMed:16290146, PubMed:16759856, PubMed:16807956, PubMed:16686544, PubMed:17705204, PubMed:17127057, PubMed:17540563, PubMed:17588751, PubMed:18266323, PubMed:18024029, PubMed:18162396, PubMed:18374572, PubMed:18640037, PubMed:18481843, PubMed:19170619, PubMed:19186056, PubMed:19206230, PubMed:19778001, PubMed:19520834). Can also hydrate cyanamide to urea (PubMed:10550681, PubMed:11015219). Stimulates the chloride-bicarbonate exchange activity of SLC26A6 (PubMed:15990874). Essential for bone resorption and osteoclast differentiation (PubMed:15300855). 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.

Cellular Location

Cytoplasm. Cell membrane. Note=Colocalized with SLC26A6 at the surface of the cell membrane in order to form a bicarbonate transport metabolon. Displaced from the cytosolic surface of the cell membrane by PKC in phorbol myristate acetate (PMA)-induced cells

Anti-CA2 / Carbonic Anhydrase II Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CA2 / Carbonic Anhydrase II Antibody - Images