

Anti-Carbonic anhydrase 2 Rabbit Monoclonal Antibody
Catalog # ABO15179**Specification****Anti-Carbonic anhydrase 2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	P00918
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Carbonic anhydrase 2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-Carbonic anhydrase 2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 760

Other Names

Carbonic anhydrase 2, 4.2.1.1, Carbonate dehydratase II, Carbonic anhydrase C, CAC, Carbonic anhydrase II, CA-II, Cyanamide hydratase CA2, 4.2.1.69, CA2

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Carbonic anhydrase 2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Carbonic anhydrase 2 Rabbit Monoclonal Antibody - Protein Information

Name CA2

Function

Catalyzes the reversible hydration of carbon dioxide (PubMed:<a

[11327835](http://www.uniprot.org/citations/11327835) PubMed: [11802772](http://www.uniprot.org/citations/11802772) PubMed: [11831900](http://www.uniprot.org/citations/11831900) PubMed: [12056894](http://www.uniprot.org/citations/12056894) PubMed: [12171926](http://www.uniprot.org/citations/12171926) PubMed: [1336460](http://www.uniprot.org/citations/1336460) PubMed: [14736236](http://www.uniprot.org/citations/14736236) PubMed: [15300855](http://www.uniprot.org/citations/15300855) PubMed: [15453828](http://www.uniprot.org/citations/15453828) PubMed: [15667203](http://www.uniprot.org/citations/15667203) PubMed: [15865431](http://www.uniprot.org/citations/15865431) PubMed: [16106378](http://www.uniprot.org/citations/16106378) PubMed: [16214338](http://www.uniprot.org/citations/16214338) PubMed: [16290146](http://www.uniprot.org/citations/16290146) PubMed: [16686544](http://www.uniprot.org/citations/16686544) PubMed: [16759856](http://www.uniprot.org/citations/16759856) PubMed: [16807956](http://www.uniprot.org/citations/16807956) PubMed: [17127057](http://www.uniprot.org/citations/17127057) PubMed: [17251017](http://www.uniprot.org/citations/17251017) PubMed: [17314045](http://www.uniprot.org/citations/17314045) PubMed: [17330962](http://www.uniprot.org/citations/17330962) PubMed: [17346964](http://www.uniprot.org/citations/17346964) PubMed: [17540563](http://www.uniprot.org/citations/17540563) PubMed: [17588751](http://www.uniprot.org/citations/17588751) PubMed: [17705204](http://www.uniprot.org/citations/17705204) PubMed: [18024029](http://www.uniprot.org/citations/18024029) PubMed: [18162396](http://www.uniprot.org/citations/18162396) PubMed: [18266323](http://www.uniprot.org/citations/18266323) PubMed: [18374572](http://www.uniprot.org/citations/18374572) PubMed: [18481843](http://www.uniprot.org/citations/18481843) PubMed: [18618712](http://www.uniprot.org/citations/18618712) PubMed: [18640037](http://www.uniprot.org/citations/18640037) PubMed: [18942852](http://www.uniprot.org/citations/18942852) PubMed: [1909891](http://www.uniprot.org/citations/1909891) PubMed: [1910042](http://www.uniprot.org/citations/1910042) PubMed: [19170619](http://www.uniprot.org/citations/19170619) PubMed: [19186056](http://www.uniprot.org/citations/19186056) PubMed: [19206230](http://www.uniprot.org/citations/19206230) PubMed: [19520834](http://www.uniprot.org/citations/19520834) PubMed: [19778001](http://www.uniprot.org/citations/19778001) PubMed: [7761440](http://www.uniprot.org/citations/7761440) PubMed: [7901850](http://www.uniprot.org/citations/7901850) PubMed: [8218160](http://www.uniprot.org/citations/8218160) PubMed: [8262987](http://www.uniprot.org/citations/8262987) PubMed: [8399159](http://www.uniprot.org/citations/8399159) PubMed: [8451242](http://www.uniprot.org/citations/8451242) PubMed: [8485129](http://www.uniprot.org/citations/8485129) PubMed: [8639494](http://www.uniprot.org/citations/8639494) PubMed: [9265618](http://www.uniprot.org/citations/9265618) PubMed: [9398308](http://www.uniprot.org/citations/9398308)). Can also hydrate cyanamide to urea (PubMed: [10550681](http://www.uniprot.org/citations/10550681) PubMed: [11015219](http://www.uniprot.org/citations/11015219)). Stimulates the chloride-bicarbonate exchange activity of SLC26A6 (PubMed: [15990874](http://www.uniprot.org/citations/15990874)). Essential for bone resorption and osteoclast differentiation (PubMed: [15300855](http://www.uniprot.org/citations/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

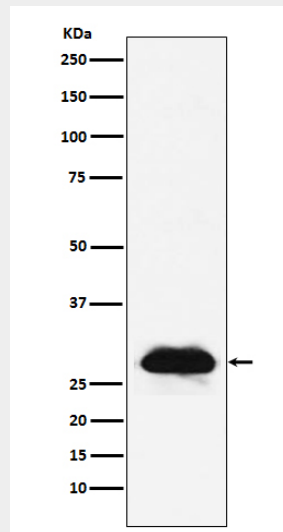
Cytoplasm. Cell membrane. Note=Colocalized with SLC26A6 at the surface of the cell membrane in order to form a bicarbonate transport metabolon. Displaced from the cytosolic surface of the cell membrane by PKC in phorbol myristate acetate (PMA)-induced cells

Anti-Carbonic anhydrase 2 Rabbit Monoclonal 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-Carbonic anhydrase 2 Rabbit Monoclonal Antibody - Images



Western blot analysis of Carbonic anhydrase 2 expression in A431 cell lysate.