

Carbonic Anhydrase 2 Rabbit mAb
Catalog # AP77734**Specification****Carbonic Anhydrase 2 Rabbit mAb - Product Information**

Application	WB
Primary Accession	P00918
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	29246

Carbonic Anhydrase 2 Rabbit mAb - Additional Information

Gene ID 760

Other Names

CA2

Dilution

WB~~1/500-1/1000

Format

Liquid

Carbonic Anhydrase 2 Rabbit mAb - Protein Information

Name CA2

Function

Catalyzes the reversible hydration of carbon dioxide (PubMed: 11327835, PubMed: 11802772, PubMed: 11831900, PubMed: 12056894, PubMed: 12171926, PubMed: 1336460, PubMed: 14736236, PubMed: 15300855, PubMed: 15453828, PubMed: 15667203, PubMed: 15865431, PubMed: 16106378, PubMed: 16214338, PubMed: 16290146, PubMed: 16686544, PubMed: 16759856, PubMed: 16807956, PubMed: 17127057, PubMed:17251017, PubMed:17314045, PubMed:17330962, PubMed:17346964, PubMed:17540563, PubMed:17588751, PubMed:17705204, PubMed:18024029, PubMed:18162396, PubMed:18266323, PubMed:18374572, PubMed:18481843, PubMed:18618712, PubMed:18640037, PubMed:18942852, PubMed:1909891, PubMed:1910042, PubMed:19170619, PubMed:19186056, PubMed:19206230, PubMed:19520834, PubMed:19778001, PubMed:7761440, PubMed:7901850, PubMed:8218160, PubMed:8262987, PubMed:8399159, PubMed:8451242, PubMed:8485129, PubMed:8639494, PubMed:9265618, PubMed:9398308). 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

Carbonic Anhydrase 2 Rabbit mAb - 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](#)

Carbonic Anhydrase 2 Rabbit mAb - Images

