Recombinant Carbonic Anhydrase VIII/CA8 Monoclonal Antibody

catalog number: AN300188P

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

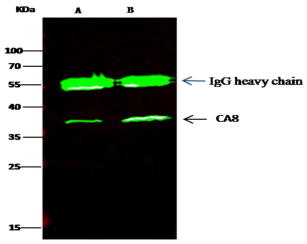
Description

Reactivity	Human
Immunogen	Recombinant Human Carbonic Anhydrase VIII / CA8 protein
Host	Rabbit
Isotype	IgG
Clone	5C9
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications — Recommended Dilution

WB	1:500-1:1000
IP	0.2-1 μL/mg of lysate

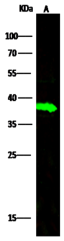
Data



Immunoprecipitation analysis using 0.5 μL anti-CA8 Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using CA8 Monoclonal Antibody at a dilution of 1:150. Lane A:0.5 mg Hela Whole Cell Lysate, Lane B:0.5 mg A549 Whole Cell Lysate

Observed-MW:37 kDa

Calculated-MW:37 kDa



Western Blot with Carbonic Anhydrase VIII / CA8 Monoclonal Antibody at dilution of 1:500. Lane A: A549 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:37 kDa

Calculated-MW:37 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com

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 anhydrasekl (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase protein (CA) VIII, which is a member of the CA gene family, has been shown to have no catalytic CA activity and its biological function is still unknown. Increased expression of CA-RP VIII was observed in 78% of colorectal carcinomas. It suggested that CA-RP VIII plays a role in the process of invasion in colorectal cancer.

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