Recombinant Carbonic Anhydrase VIII/Car8 Monoclonal Antibody

catalog number: AN300558P

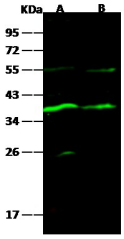
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse Carbonic Anhydrase VIII/CA8 protein
Host	Rabbit
Isotype	IgG
Clone	B488
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	1-4 μL/mg of lysate

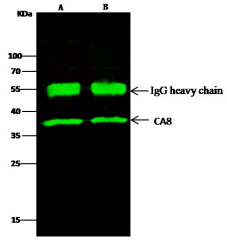
Data



Western Blot with CA8 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: 293T Whole Cell Lysate, Lane B: A549 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:36 kDa

Calculated-MW:33 kDa



Immunoprecipitation analysis using 2 μL anti-Mouse 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 1:200. Lane A:0.5 mg 293T Whole Cell Lysate, Lane B:0.5 mg A549 Whole Cell Lysate

Observed-MW:36 kDa

Calculated-MW:33 kDa

Preparation & Storage

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

Background

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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