Recombinant Carbonic Anhydrase III/CA3 Monoclonal Antibody

catalog number: AN300193P

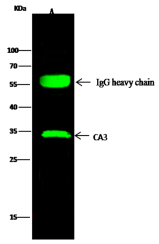
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Carbonic Anhydrase III / CA3 protein
Host	Rabbit
Isotype	IgG
Clone	7C4
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

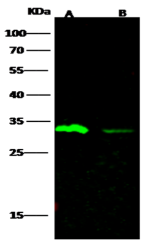
Data



Immunoprecipitation analysis using 2 μL anti-CA3 Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using CA3 Monoclonal Antibody at a dilution of 1:250. Lane A:0.5 mg HepG2 Whole Cell Lysate

Observed-MW:30 kDa

Calculated-MW:30 kDa



Western Blot with Carbonic Anhydrase III / CA3 Monoclonal Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell Lysate, Lane B: K562 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:30 kDa

Calculated-MW:30 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

Carbonic anhydrase III (CAIII) is a member of a multigene family (at least six separate genes are known) that encodes carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal. The gene spans 10.0 kb and contains seven exons and six introns.

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