

Anti-Carbonic Anhydrase 1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 3023

Aliases

CA1; Carbonic Anhydrase 1; Carbonic Anhydrase I; Car1; Carbonate Dehydratase I; Cyanamide Hydratase CA1; Carbonic Anhydrase B; EC 4.2.1.1; CA-I; CAB; Epididymis Secretory Sperm Binding Protein; Epididymis Secretory Protein Li 11; EC 4.2.1.69; HEL-S-11

Background

Gene Name: CA1

NCBI Gene Entry: [759](#)

UniProt Entry: [P00915](#)

Application Information

Molecular Weight: Predicted, 29 kDa; observed, 29 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB3680

Species Reactivity: Mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Carbonic Anhydrase 1

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

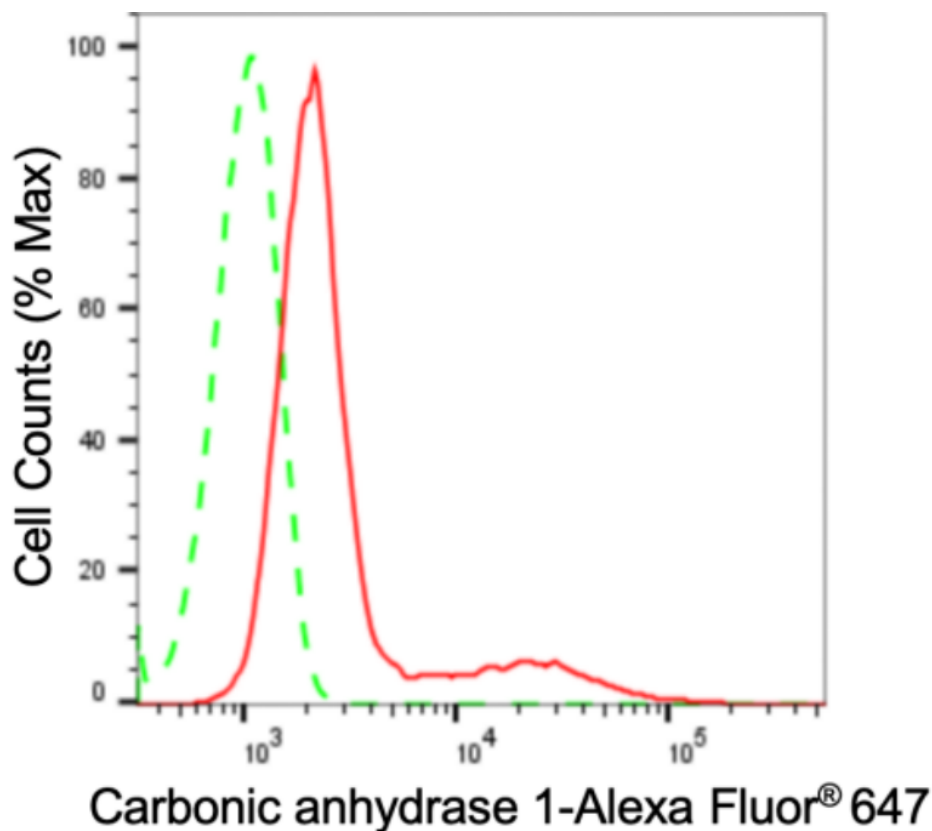
SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

Anti-Carbonic Anhydrase 1 Recombinant Rabbit Monoclonal Antibody

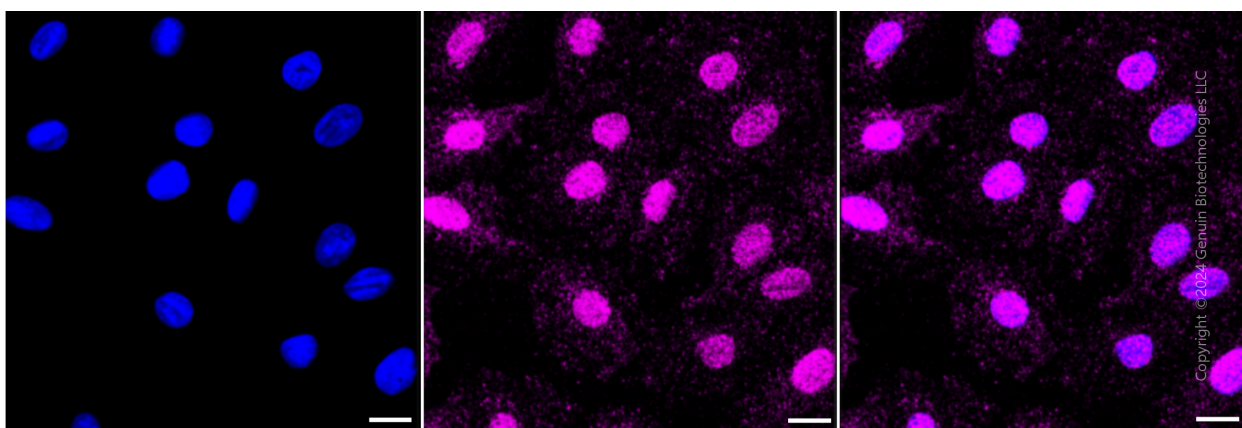
PAGE 2

Validation Data



Copyright ©2024 Genuin Biotechnologies LLC

Flow cytometric analysis of Carbonic anhydrase 1 expression in H9c2 cells using anti-Carbonic anhydrase 1 antibody (Cat#3023, 1:2,000). Green, isotype control; red, Carbonic anhydrase 1.



Immunocytochemical staining of H9c2 cells with anti-Carbonic anhydrase 1 antibody (Cat#3023, 1:1,000). Nuclei were stained blue with DAPI; Carbonic anhydrase 1 was stained magenta with Alexa Fluor® 647. Images were taken using leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 μ m.

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

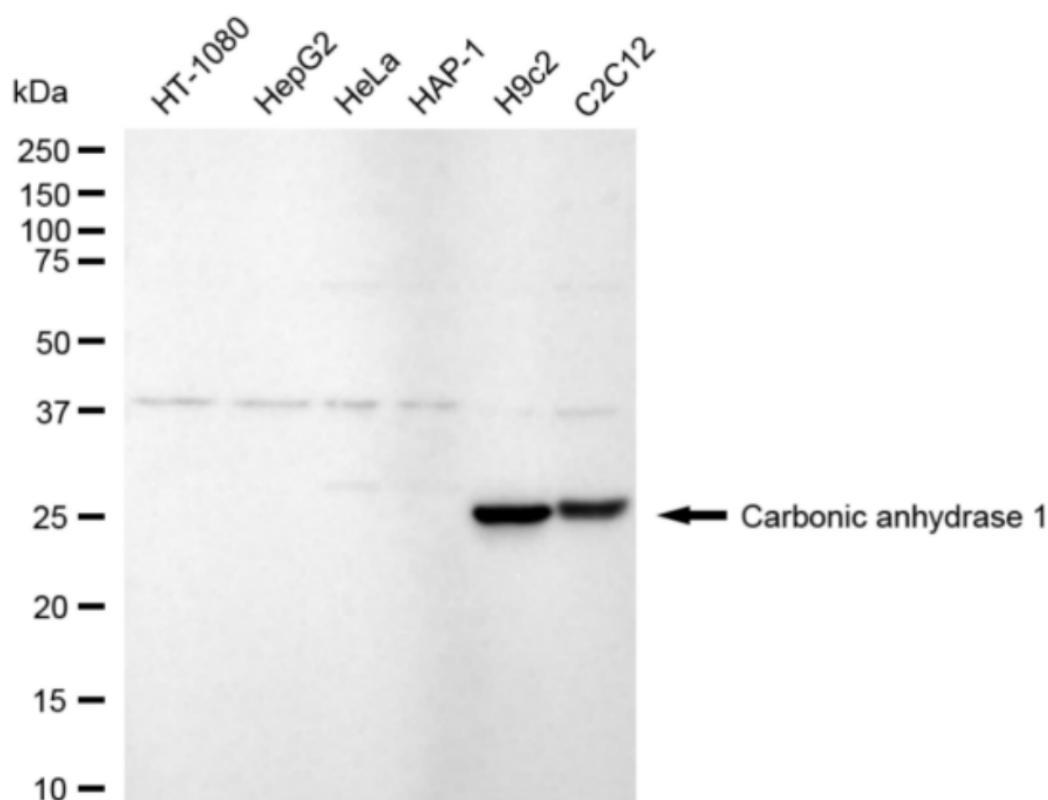
ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

Anti-Carbonic Anhydrase 1 Recombinant Rabbit Monoclonal Antibody

PAGE 3



Copyright ©2024 Genuin Biotechnologies LLC

Western blotting analysis using anti-Carbonic Anhydrase 1 antibody (Cat#3023). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Carbonic Anhydrase 1 antibody (Cat#3023, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM