

Anti-Carbonyl Reductase 1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 2923

Aliases

CBR1; Carbonyl Reductase 1; SDR21C1; CBR; Short Chain Dehydrogenase/Reductase Family 21C Member 1; 20-Beta-Hydroxysteroid Dehydrogenase; NADPH-Dependent Carbonyl Reductase 1;
Alcohol Dehydrogenase [NAD(P)+] CBR1; Prostaglandin-E(2) 9-Reductase; Prostaglandin 9-Ketoreductase; Carbonyl Reductase [NADPH] 1; EC 1.1.1.184; PG-9-KR; Short Chain Dehydrogenase/Reductase Family 21C, Member 1; 15-Hydroxyprostaglandin Dehydrogenase [NADP(+)]; Epididymis Secretory Sperm Binding Protein; 15-Hydroxyprostaglandin Dehydrogenase; Carbonyl Reductase (NADPH) 1; EC 1.1.1.196; EC 1.1.1.197; EC 1.1.1.189; EC 1.1.1.71; HCBR1; CRN

Background

Gene Name: CBR1

NCBI Gene Entry: [873](#)

UniProt Entry: [P16152](#)

Application Information

Molecular Weight: Predicted, 30 kDa; observed, 30 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB3190

Species Reactivity: Human, rat

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

Immunogen

A synthesized peptide derived from human CBR1

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

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

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

WWW.GENUINBIOTECH.COM

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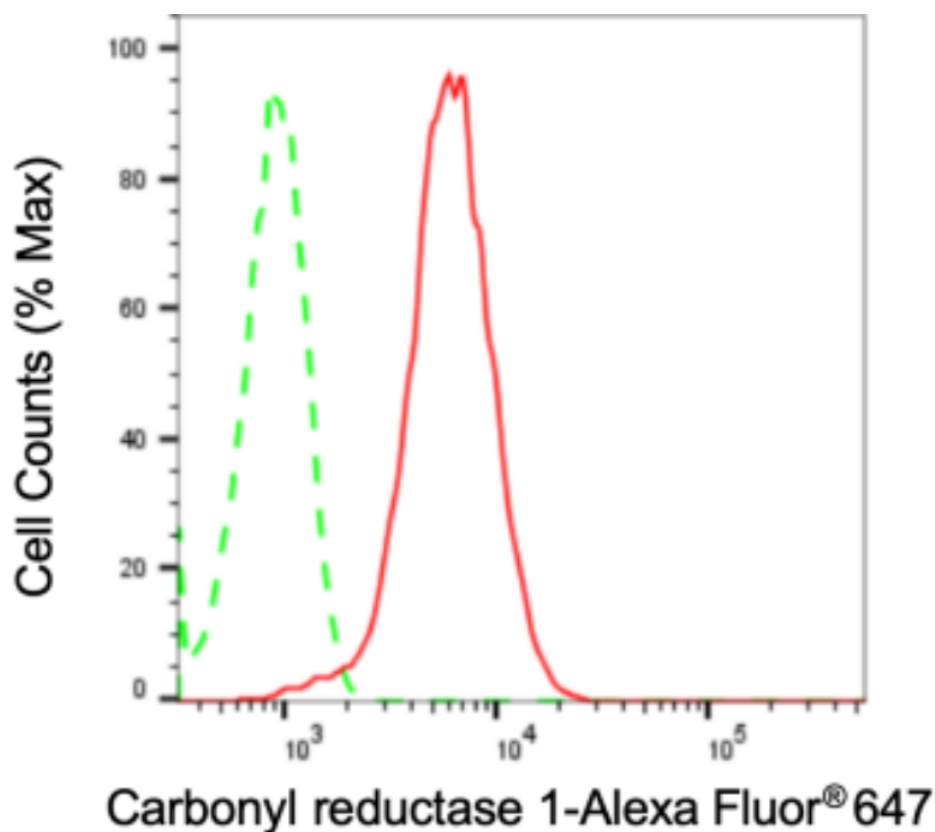
Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

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

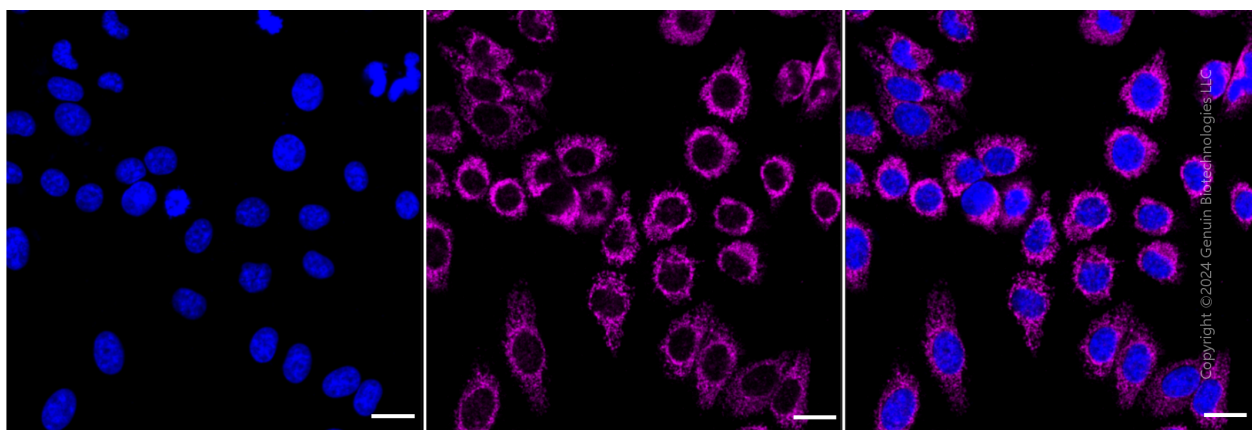
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Validation Data



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Flow cytometric analysis of Carbonyl reductase 1 expression in HepG2 cells using anti-Carbonyl reductase 1 antibody (Cat#2923, 1:2,000). Green, isotype control; red, Carbonyl reductase 1.



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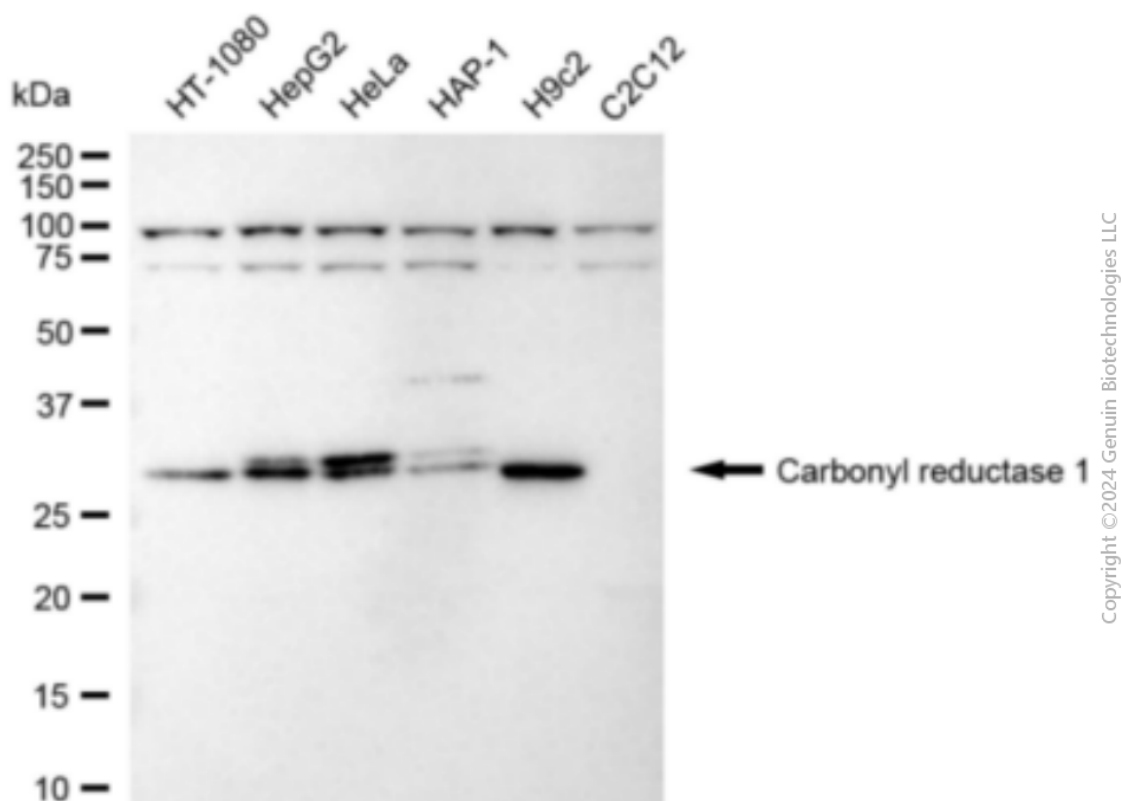
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Immunocytochemical staining of HepG2 cells with anti-Carbonyl reductase 1 antibody (Cat#2923, 1:1,000). Nuclei were stained blue with DAPI; Carbonyl reductase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Western blotting analysis using anti-Carbonyl reductase 1 antibody (Cat#2923). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Carbonyl reductase 1 antibody (Cat#2923, 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).

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