Anti-BCKDK Recombinant Rabbit Monoclonal Antibody

Catalog #: 2898

Aliases

BCKDK; Branched Chain Keto Acid Dehydrogenase Kinase; [3-Methyl-2-Oxobutanoate Dehydrogenase [Lipoamide]] Kinase, Mitochondrial; Branched-Chain Alpha-Ketoacid Dehydrogenase Kinase; BCKDH Kinase; EC 2.7.11.4; BCKDHKIN; BDK; 3-Methyl-2-Oxobutanoate Dehydrogenase [Lipoamide] Kinase, Mitochondrial; Branched Chain Alpha-Ketoacid Dehydrogenase Kinase; Branched Chain Ketoacid Dehydrogenase Kinase; BCKD-Kinase; EC 2.7.11.1; EC 2.7.11; BCKDKD

Background

Gene Name: BCKDK
NCBI Gene Entry: 10295
UniProt Entry: O14874

Application Information

Molecular Weight: Predicted, 46 kDa; observed, 46 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB3065
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human BCKDK

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

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Note: This product is for research use only.

Validation Data
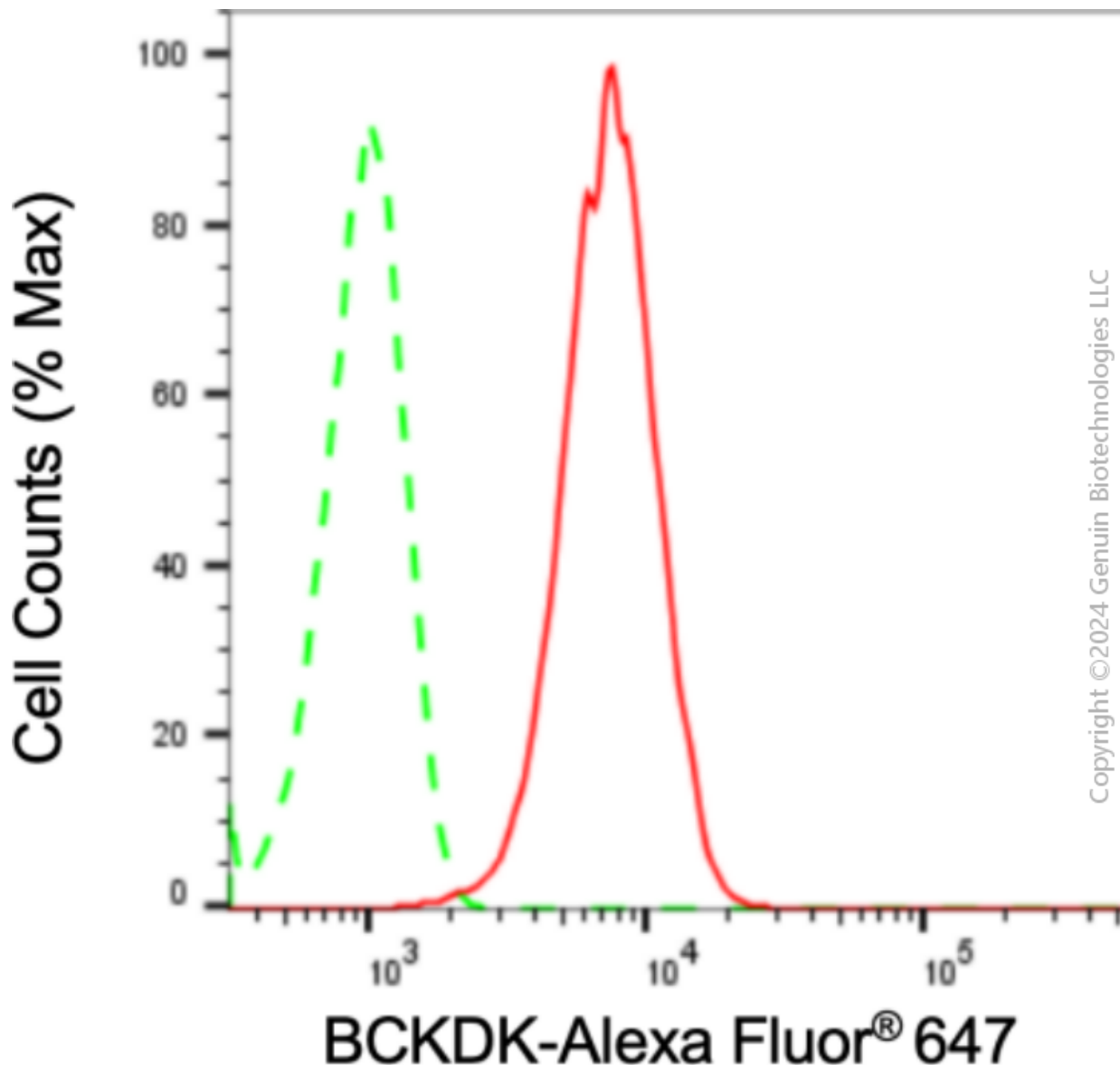
Flow cytometric analysis of BCKDK expression in C2C12 cells using anti-BCKDK antibody (Cat#2898, 1:2,000). Green, isotype control; red, BCKDK

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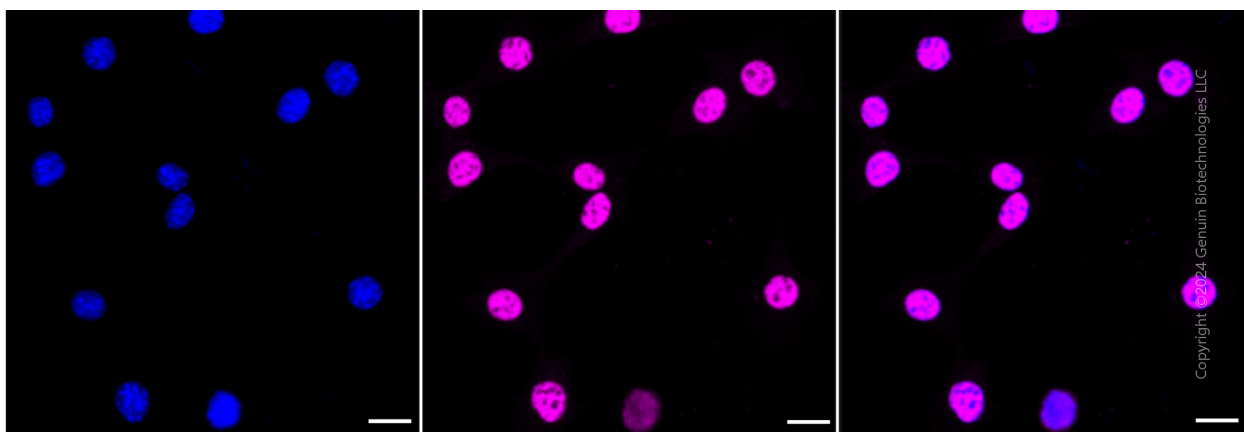
Immunocytochemical staining of C2C12 cells with anti-BCKDK antibody (Cat#2898, 1:1,000) . Nuclei were stained blue with DAPI; BCKDK was stained magenta with Alexa Fluor® 647. Images were taken using leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 μm.

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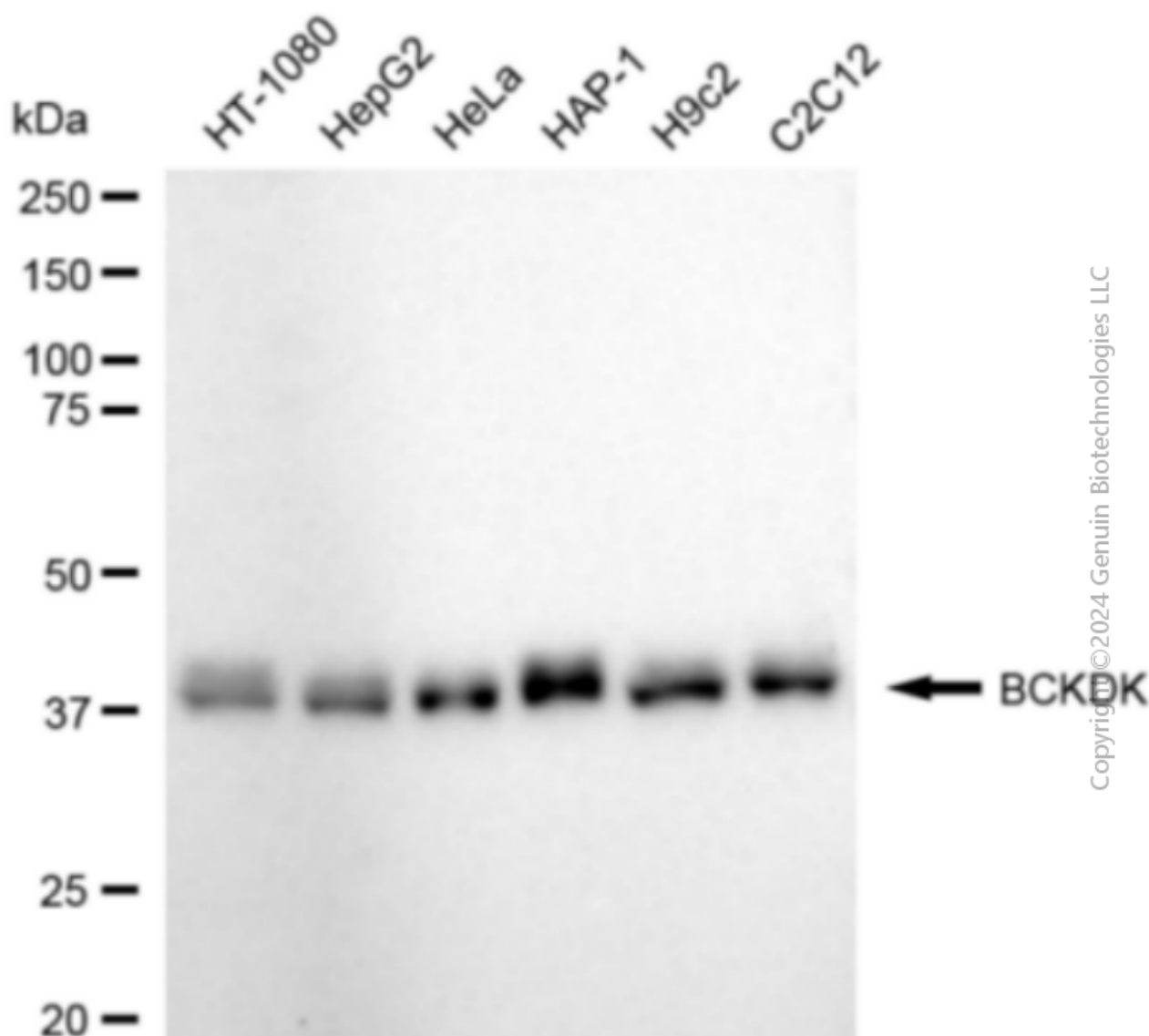
Western blotting analysis using anti-BCKDK antibody (Cat#2898). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-BCKDK antibody (Cat#2898, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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