

Anti-AMPK beta 1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 1235

Aliases

PRKAB1; Protein Kinase AMP-Activated Non-Catalytic Subunit Beta 1; Protein Kinase, AMP-Activated, Beta 1 Non-Catalytic Subunit; 5'-AMP-Activated Protein Kinase Subunit Beta-1; AMPK Subunit Beta-1; AMPK Beta 1; AMPKb; AMPK; Protein Kinase, AMP-Activated, Noncatalytic, Beta-1; 5'-AMP-Activated Protein Kinase Beta-1 Subunit; AMP-Activated Protein Kinase Beta Subunit; AMPK Beta -1 Chain; HAMPKb

Background

Gene Name: PRKAB1

NCBI Gene Entry: [5564](#)

UniProt Entry: [Q9Y478](#)

Application Information

Molecular Weight: Predicted, 30 kDa; observed, 38 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2315

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human AMPK beta 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

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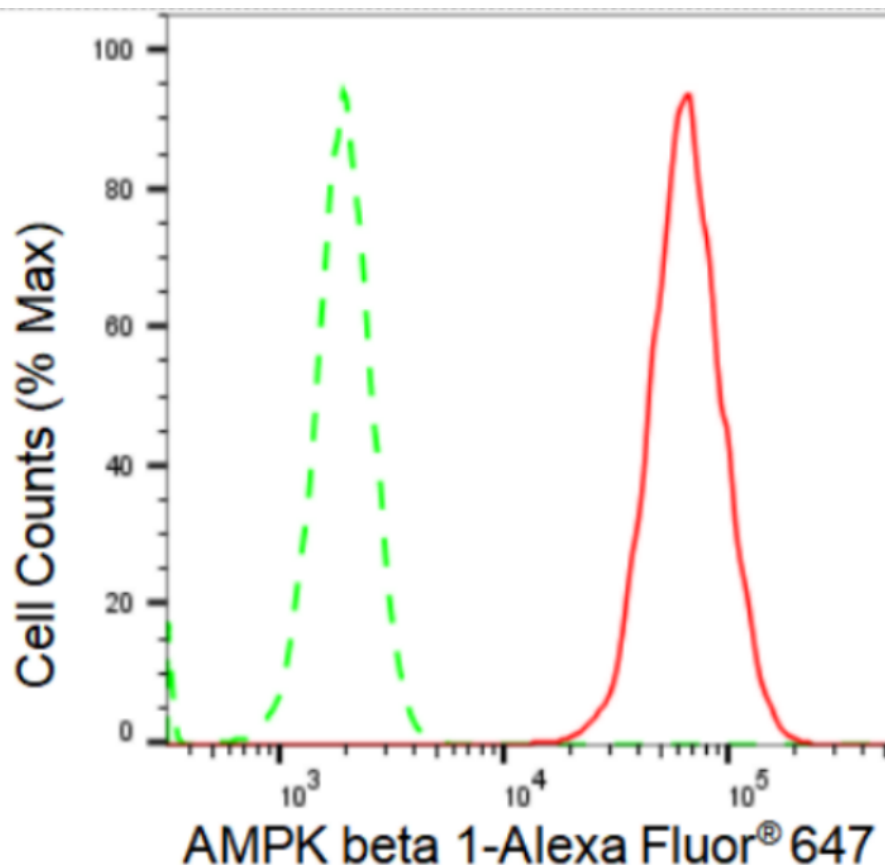
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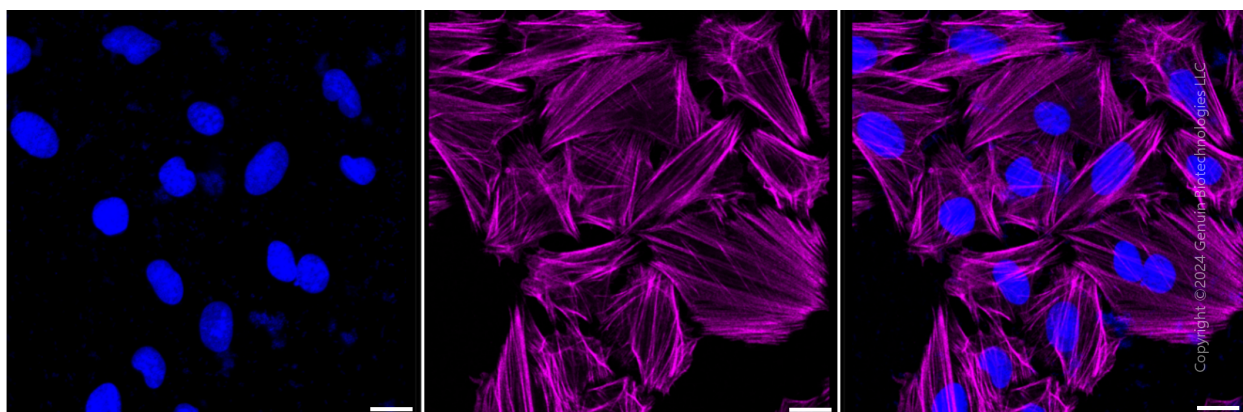
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Validation Data



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Flow cytometric analysis of AMPK beta 1 expression in H9c2 cells using AMPK beta 1 antibody (Cat#1235, 1:2,000). Green, isotype control; red, AMPK beta 1.



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Immunocytochemical staining of H9C2 cells with anti-AMPK beta 1 antibody (Cat#1235, 1:1,000). Nuclei were stained blue with DAPI; AMPK beta 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity

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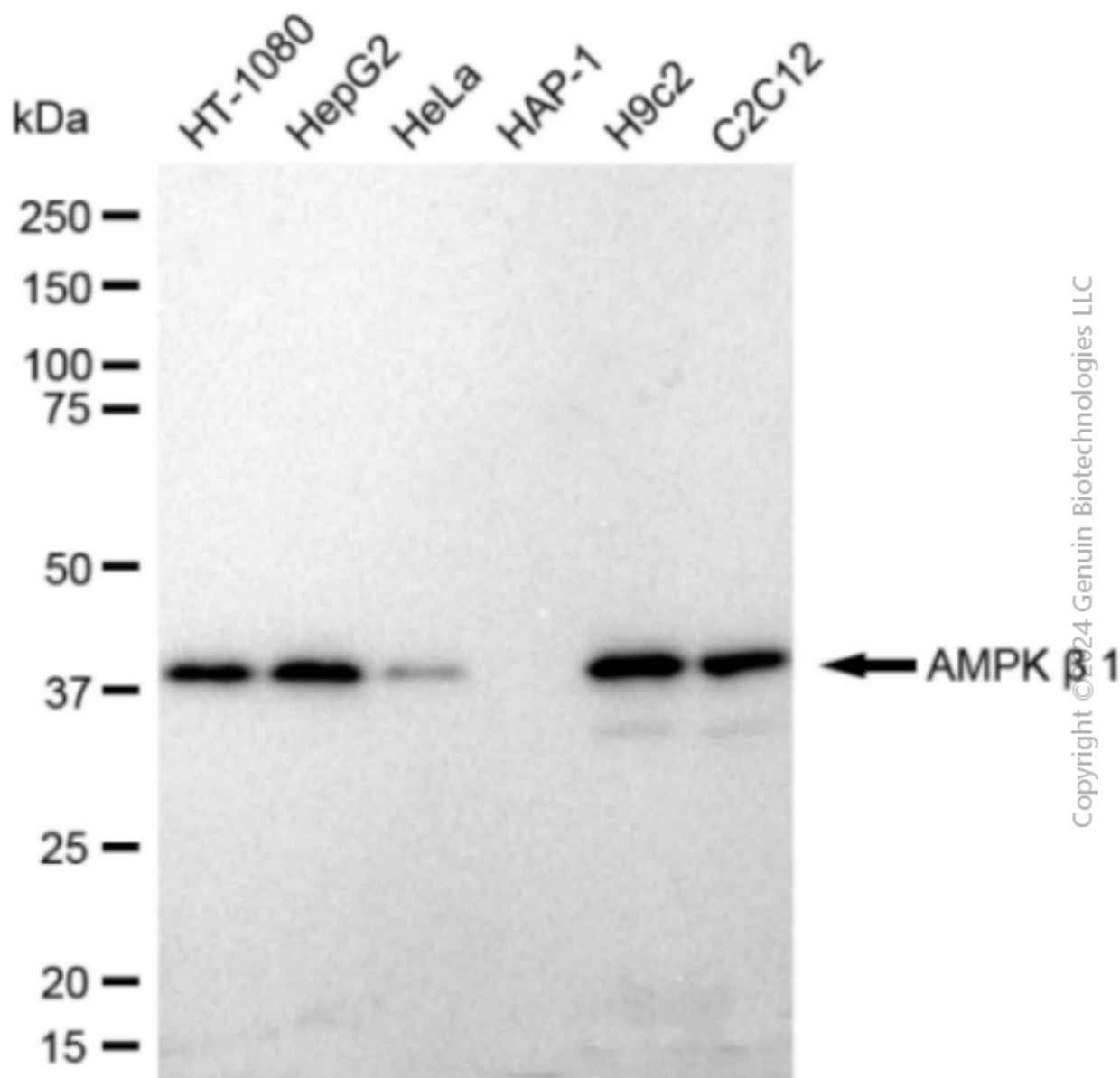
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and smart gain: High. Scale bar: 20 μ m.



Western blotting analysis using anti-AMPK beta 1 antibody (Cat#1235). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AMPK beta 1 antibody (Cat#1235, 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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