

KD-Validated Anti-Adenylate kinase 4 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61885

Aliases

AK4; Adenylate Kinase 4; AK3L1; AK3; Adenylate Kinase 4, Mitochondrial; Adenylate Kinase 3-Like 1; AK 4; GTP:AMP Phosphotransferase AK4, Mitochondrial; Adenylate Kinase Isoenzyme 4, Mitochondrial; Epididymis Secretory Sperm Binding Protein; Nucleoside-Triphosphate-Adenylate Kinase; Mitochondrial Adenylate Kinase-3; GTP:AMP Phosphotransferase AK4; ATP-AMP Transphosphorylase; Adenylate Kinase 3-Like; Adenylate Kinase 3; EC 2.7.4.10; EC 2.7.4.6; EC 2.7.4.3; EC 2.7.4; AK3L2

Background

Gene Name: AK4

NCBI Gene Entry: [205](#)

UniProt Entry: [P27144](#)

Application Information

Molecular Weight: Predicted, 25 kDa, observed, 25 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB4755

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human Adenylate kinase 4

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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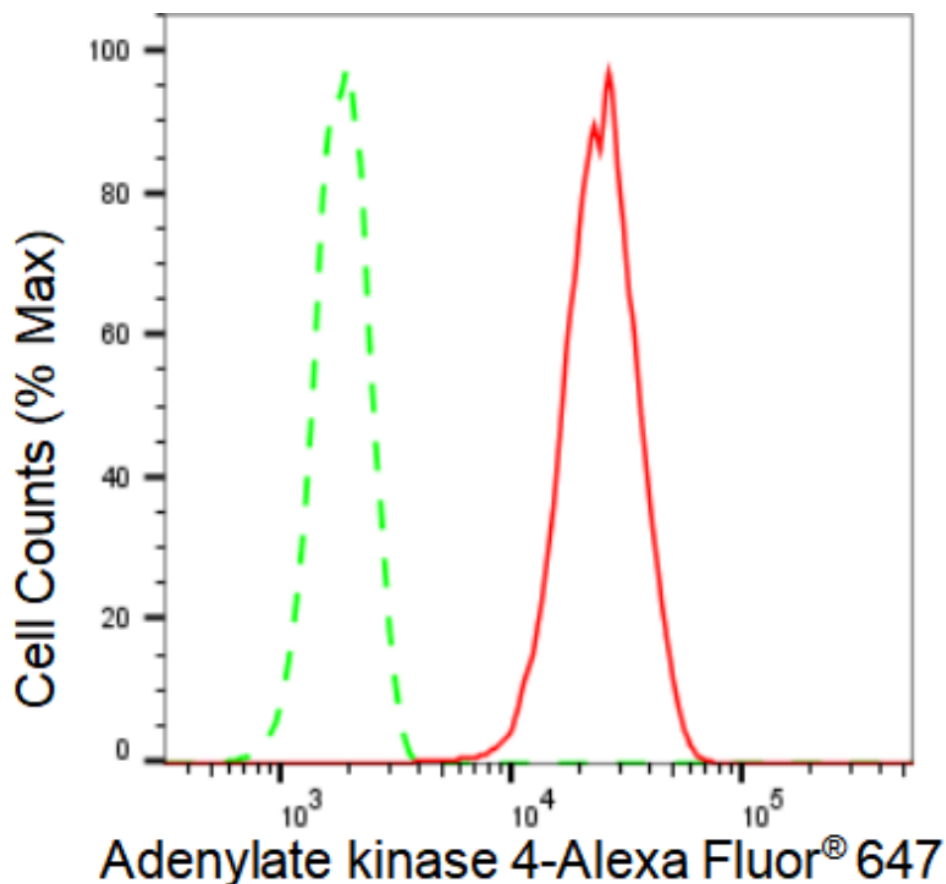
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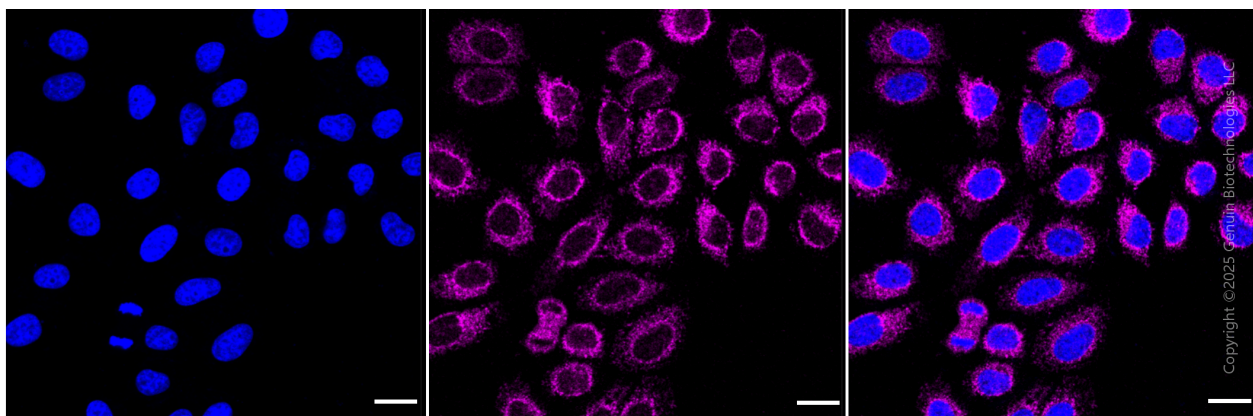
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Validation Data



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Flow cytometric analysis of Adenylate kinase 4 expression in HepG2 cells using Adenylate kinase 4 antibody (Cat#61885, 1:2,000). Green, isotype control; red, Adenylate kinase 4.



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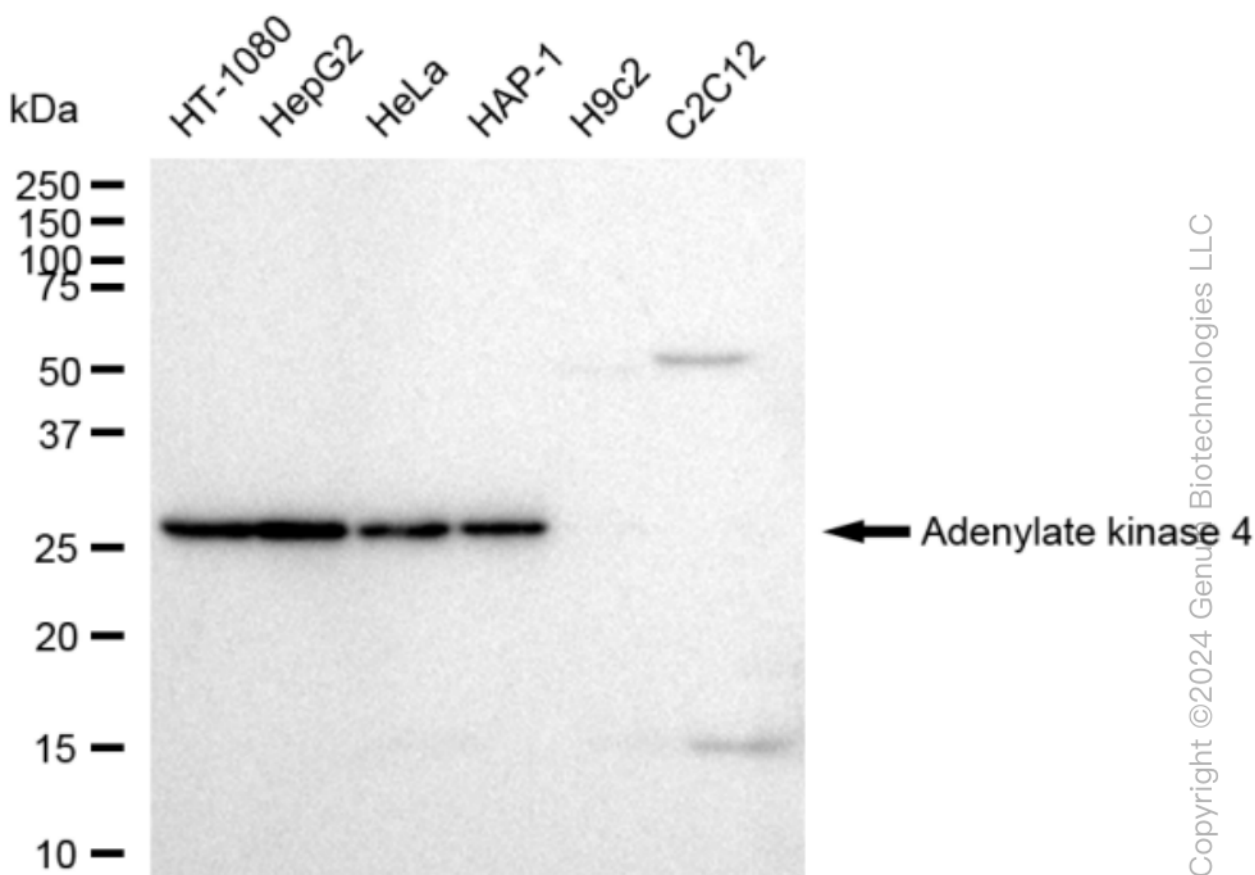
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Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-Adenylate kinase 4 antibody (Cat#61885). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Adenylate kinase 4 antibody (Cat#61885, 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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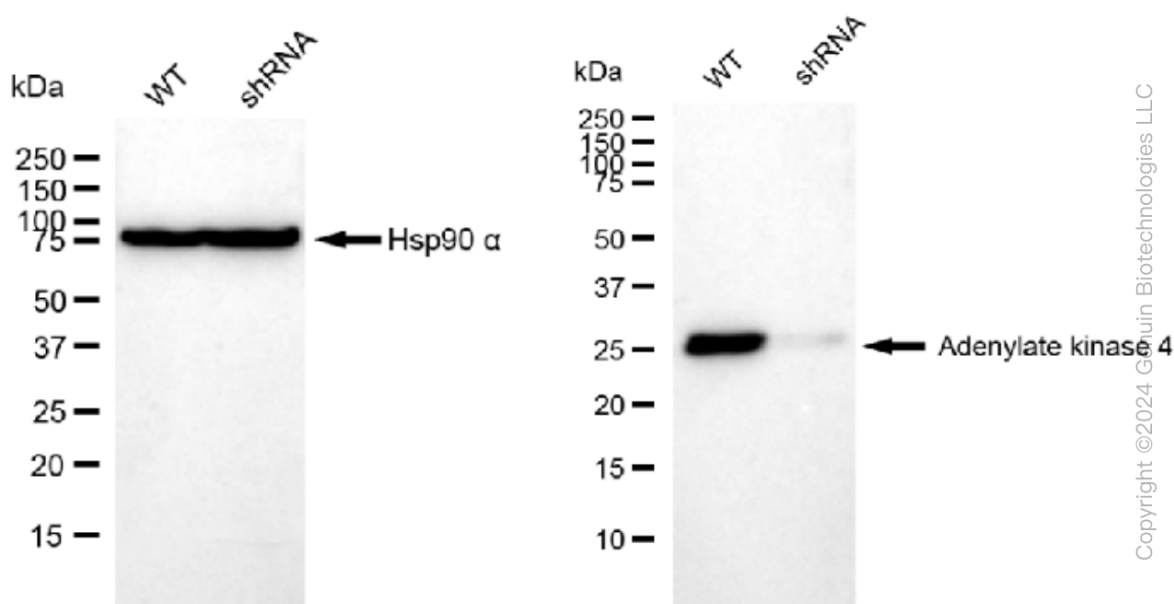
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Western blotting analysis using anti-Adenylate kinase 4 antibody (Cat#61885). Adenylate kinase 4 expression in wild type (WT) and Adenylate kinase 4 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Adenylate kinase 4 antibody (Cat#61885, 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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