

KD-Validated Anti-QKI Recombinant Rabbit Monoclonal Antibody



Catalog #: 61814

Aliases

QKI; QKI, KH Domain Containing RNA Binding; QK3; KH Domain-Containing RNA-Binding Protein QKI; HqkI; Hqk; Homolog Of Mouse Quaking QKI (KH Domain RNA Binding Protein); Quaking Homolog, KH Domain RNA Binding (Mouse); Quaking Homolog, KH Domain RNA Binding; QKI/LOC100132735 Fusion; RNA Binding Protein HQK; Protein Quaking; QK1; HKQ; QK

Background

Gene Name: QKI

NCBI Gene Entry: [9444](#)

UniProt Entry: [Q96PU8](#)

Application Information

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

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB4595

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human QK1

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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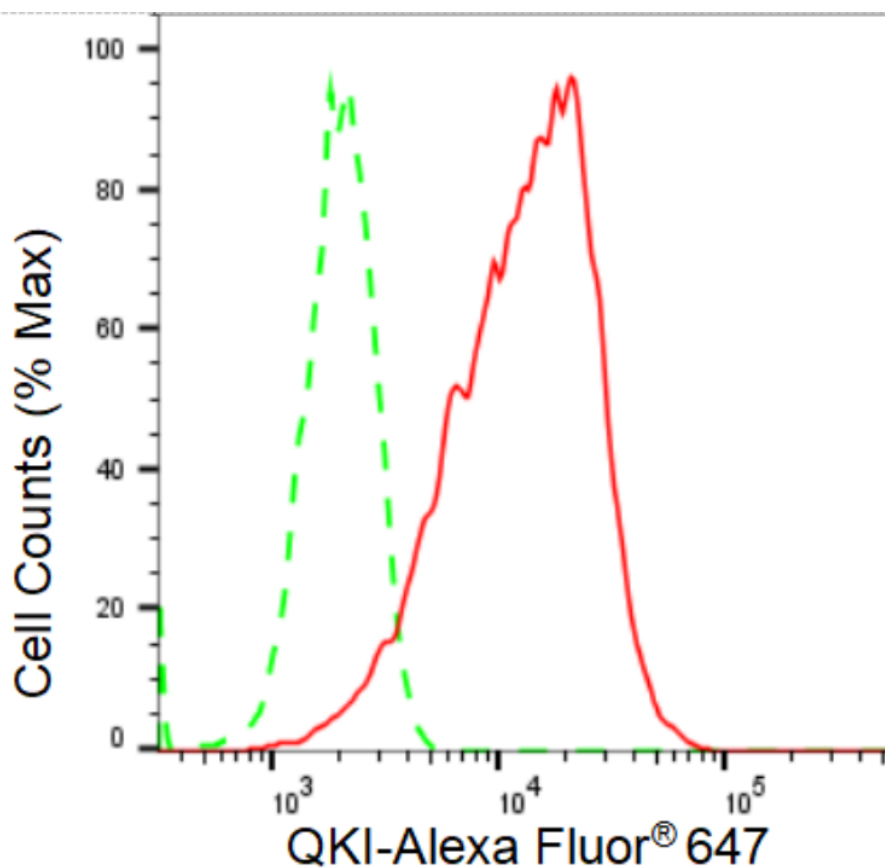
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Immunohistochemistry (IHC): 1:100-1:200

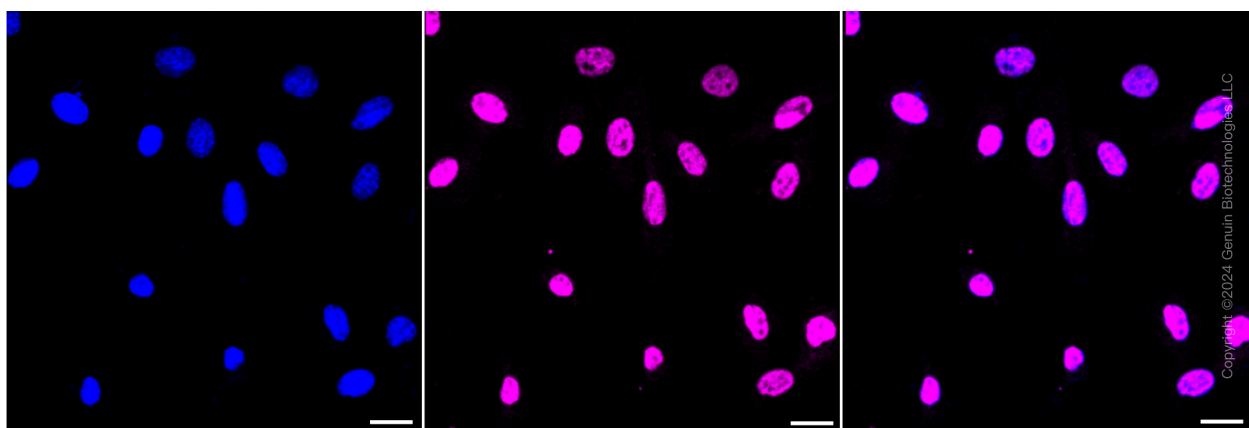
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Validation Data



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Flow cytometric analysis of QKI expression in C2C12 cells using QKI antibody (Cat#61814, 1:2000). Green, isotype control; red, QKI.



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Immunocytochemical staining of C2C12 cells with QKI antibody (Cat#61814, 1:1,000). Nuclei

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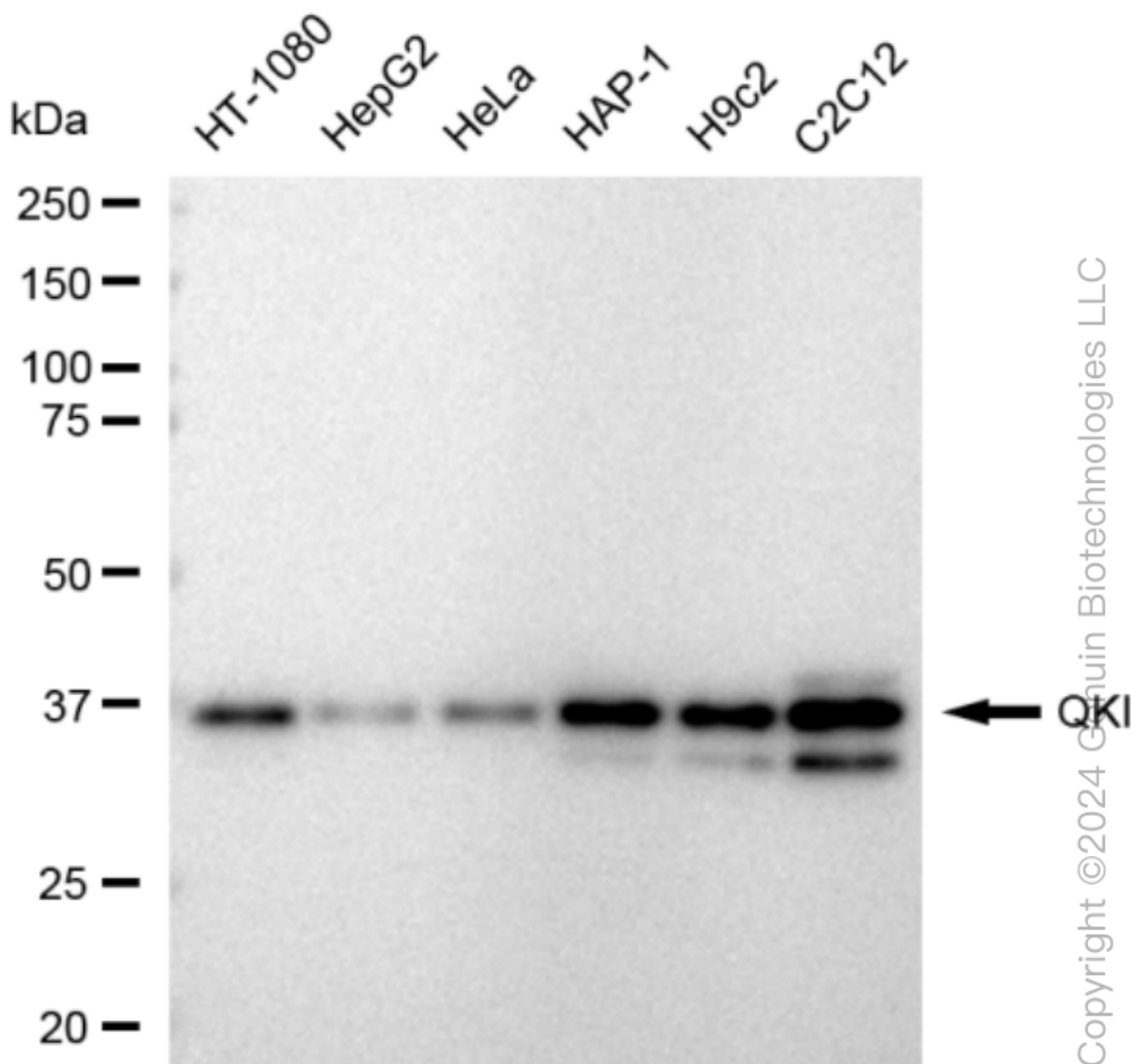
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were stained blue with DAPI; QKI was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Western blotting analysis using anti-QKI antibody (Cat#61814). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-QKI antibody (Cat#61814, 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).

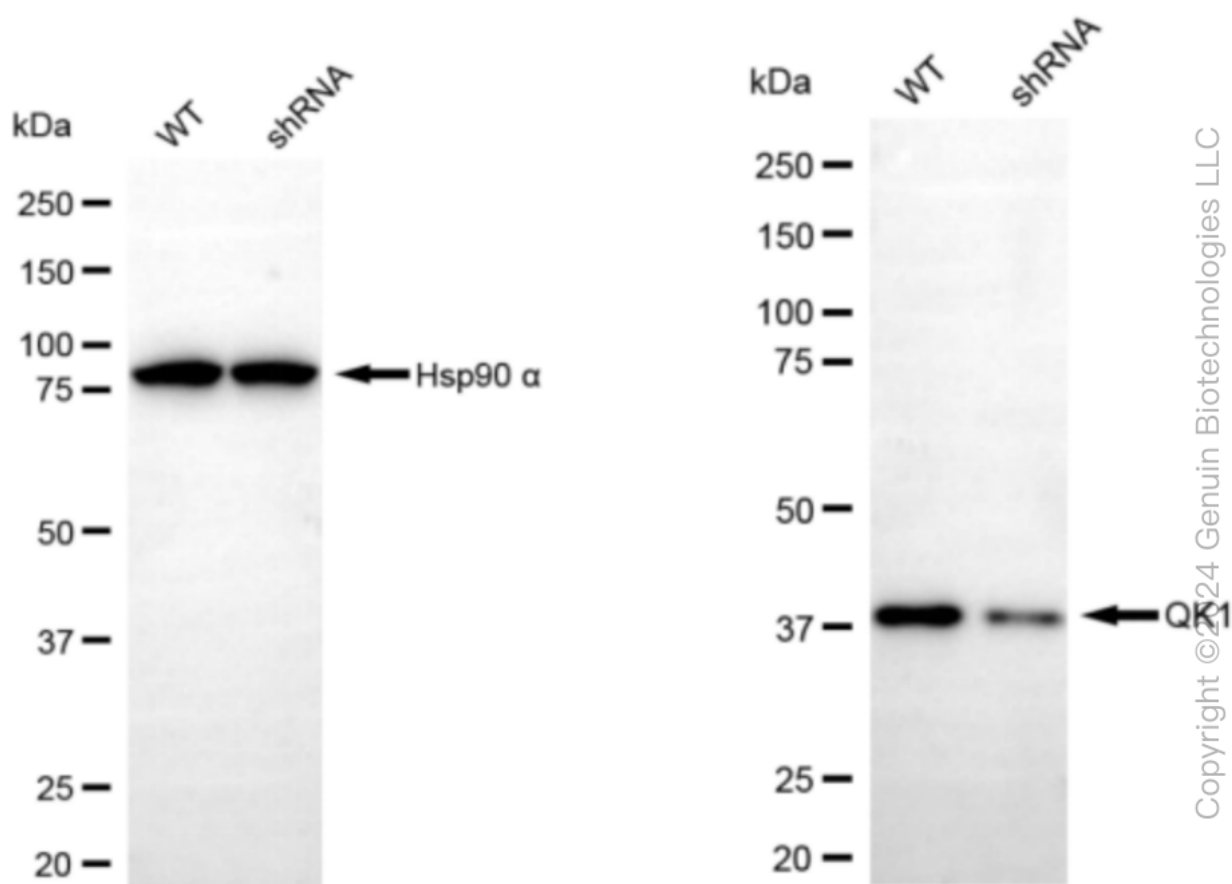
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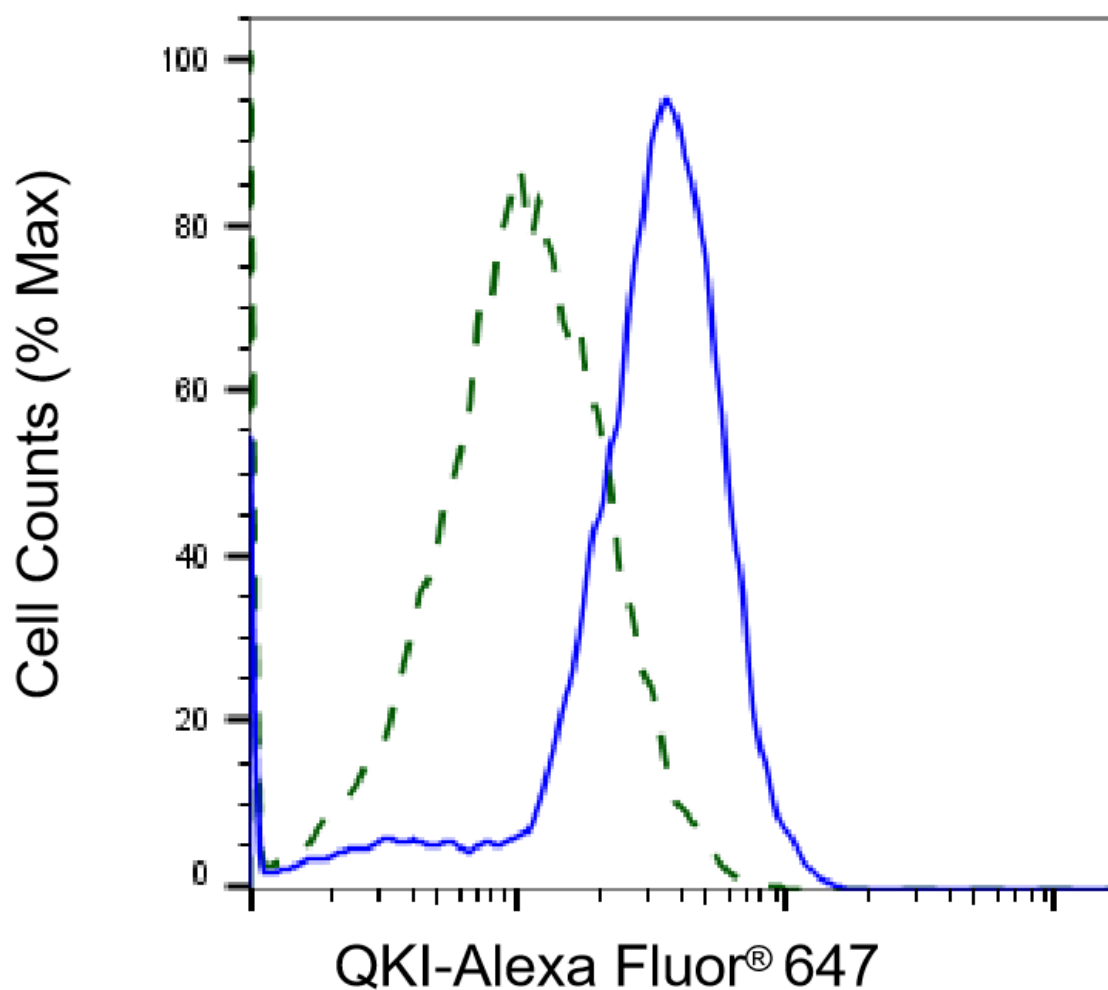
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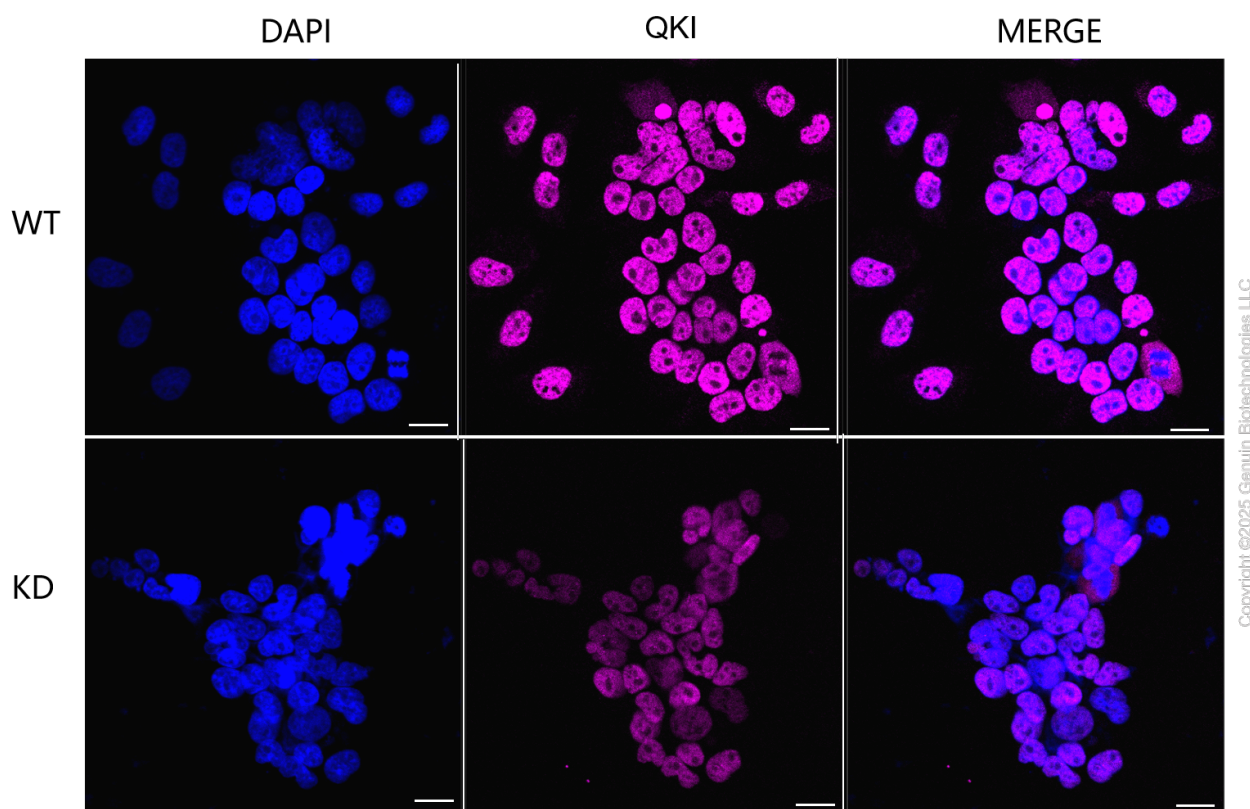


Western blotting analysis using anti-QK1 antibody (Cat#61814). QK1 expression in wild type (WT) and QK1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-QK1 antibody (Cat#61814, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Validation of QKI knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-QKI antibody (Cat#61814, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-QKI antibody (Cat#61814, 1:1,000), Top panel: wild-type (WT); Bottom panel: QKI shRNA knockdown (KD). Nuclei were stained blue with DAPI; QKI was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m. Permeabilization: Triton.