

KD-Validated Anti-Keratin 7 Rabbit Monoclonal Antibody



Catalog #: 62849

Aliases

KRT7; Keratin 7; CK-7; SCL; K7; Keratin, Type II Cytoskeletal 7; Sarcolectin; K2C7; CK7; Keratin, 55K Type II Cytoskeletal; Type-II Keratin Kb7; Keratin 7, Type II; Cytokeratin 7; Keratin, Simple Epithelial Type I, K7; Type II Mesothelial Keratin K7; Cytokeratin-7; Keratin-7

Background

Gene Name: KRT7

NCBI Gene Entry: 3855

UniProt Entry: P08729

Application Information

Molecular Weight: Predicted, 51 kDa; observed, 54 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB2830

Species Reactivity: Human

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

Immunogen

Recombinant protein of human Cytokeratin 7

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

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

SUPPORT

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TEL: +1-540-855-7041

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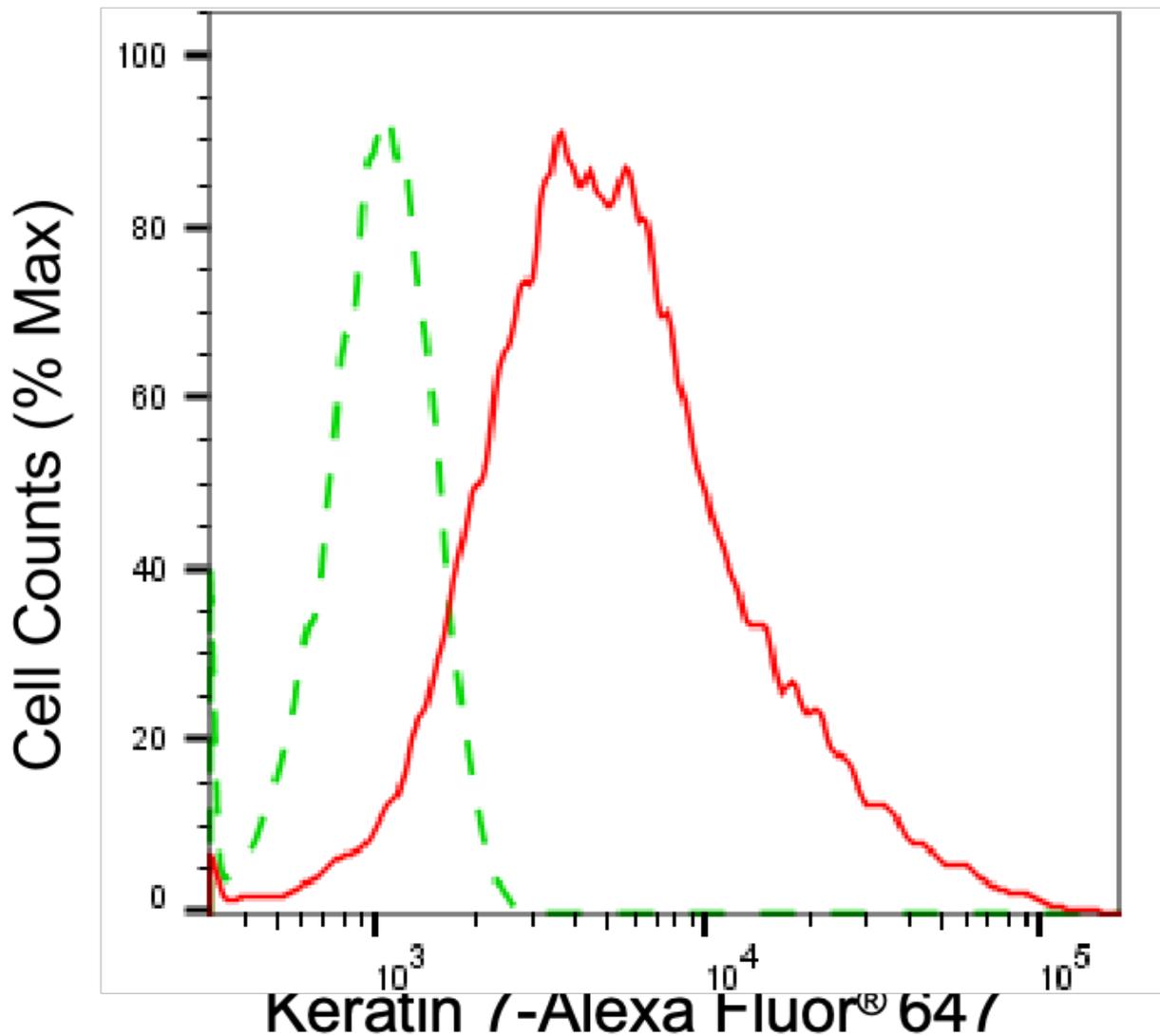
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FAX:+1-540-855-7041

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Note: This product is for research use only.

Validation Data



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Flow cytometric analysis of Keratin 7 expression in HepG2 cells using anti-Keratin 7 antibody (Cat#, 1:2,000). Green, isotype control; red, Keratin 7.

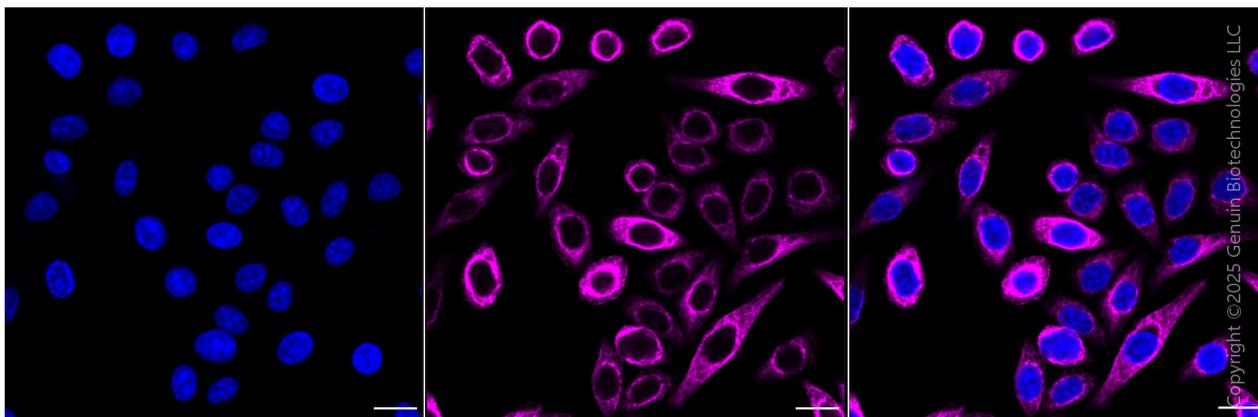
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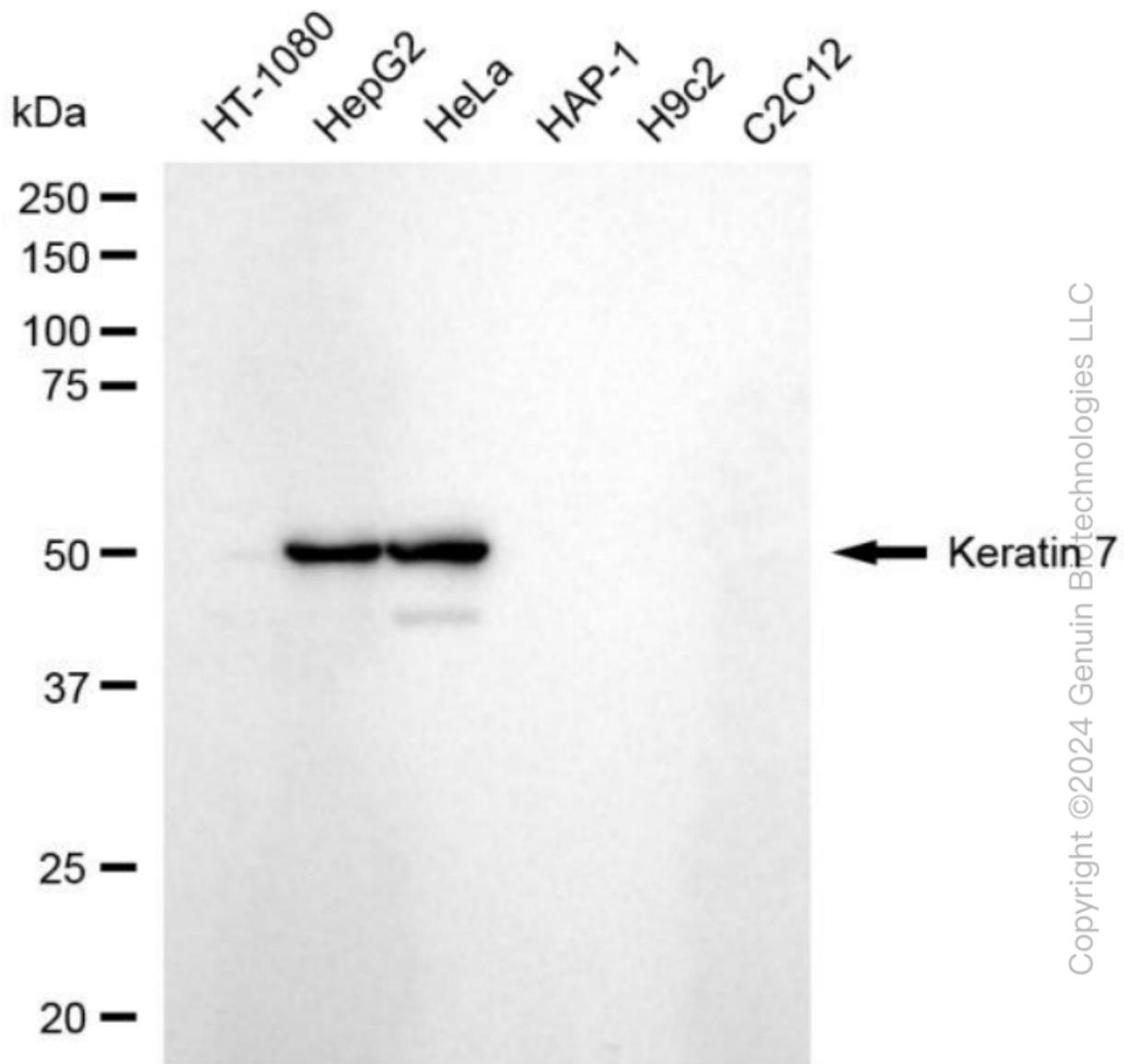
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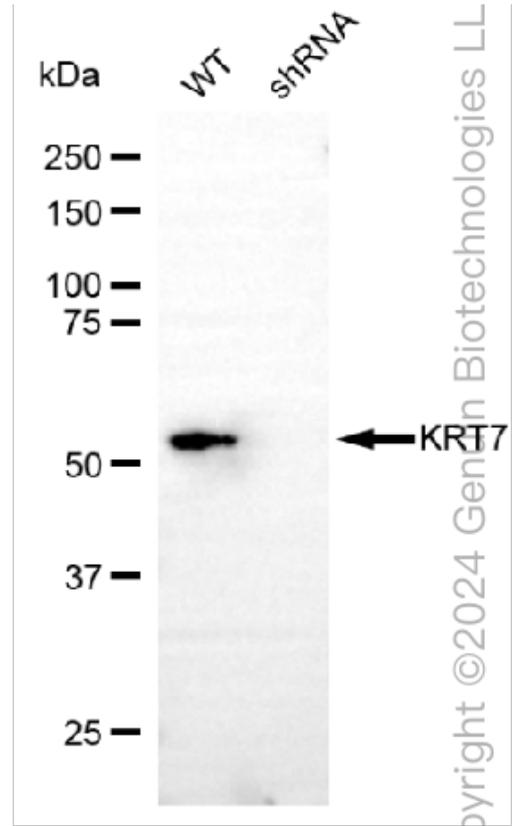
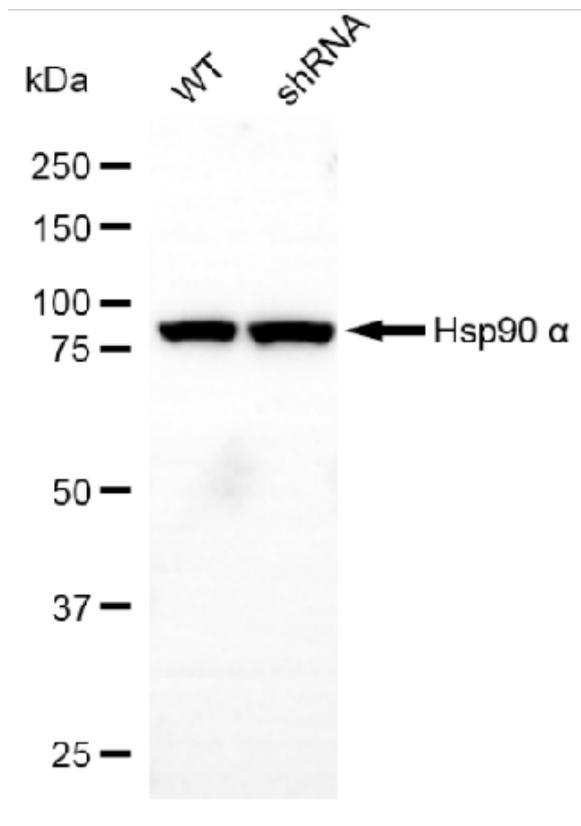
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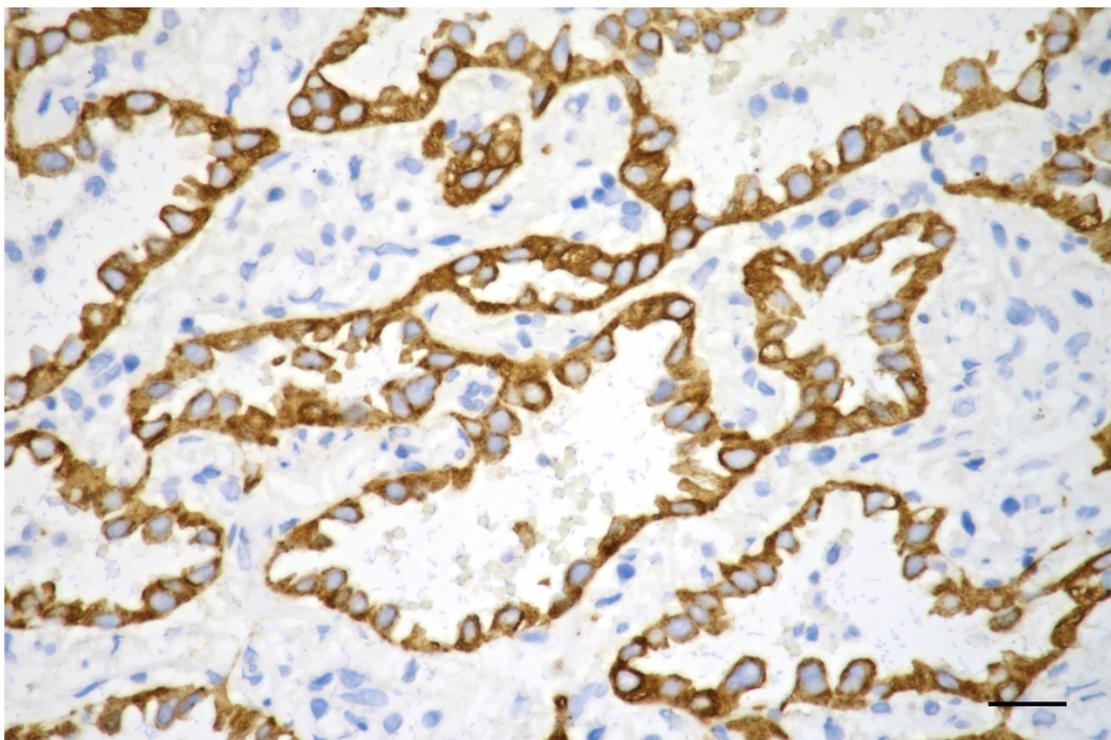
Immunocytochemical staining of HepG2 cells with anti-Keratin 7 antibody(Cat#62849, 1:1,000) . Nuclei were stained blue with DAPI; Keratin 7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 μ m.



Western blotting analysis using anti-Keratin 7 antibody (Cat#62849). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Keratin 7 antibody (Cat#62849, 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).



Western blotting analysis using anti-keratin 7 antibody (Cat#62849). Keratin 7 expression in wild-type (WT) and keratin 7 (KRT7) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-keratin 7 antibody (Cat#62849, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQTM ECL Substrate Kit (Cat#716).



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Immunohistochemistry was performed on paraffin-embedded human lung adenocarcinoma using anti-glial fibrillary acidic protein antibody (Cat#62849, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.