KD-Validated Anti-RACK1 Recombinant Rabbit Monoclonal Antibody

Catalog #: 61248

Aliases

RACK1; Receptor For Activated C Kinase 1; GNB2L1; H12.3; Guanine Nucleotide Binding Protein (G Protein), Beta Polypeptide 2-Like 1; Guanine Nucleotide-Binding Protein Subunit Beta-Like Protein 12.3; Guanine Nucleotide-Binding Protein Subunit Beta-2-Like 1; Cell Proliferation-Inducing Gene 21 Protein ; Receptor Of Activated Protein C Kinase 1; Small Ribosomal Subunit Protein RACK1; Human Lung Cancer Oncogene 7 Protein ; Gnb2-Rs1; HLC-7; Protein Homologous To Chicken B Complex Protein, Guanine Nucleotide Binding; Guanine Nucleotide Binding Protein Beta Polypeptide 2-Like 1; Receptor Of Activated Protein Kinase C 1; Receptor For Activated C Kinase; Proliferation-Inducing Gene 21; Lung Cancer Oncogene 7; GNB2-RS1; PIG21

Background

Gene Name: RACK1
NCBI Gene Entry: 10399
UniProt Entry: P63244

Application Information

Molecular Weight: Predicted, 35 kDa, observed, 35 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB2355
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human RACK1

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

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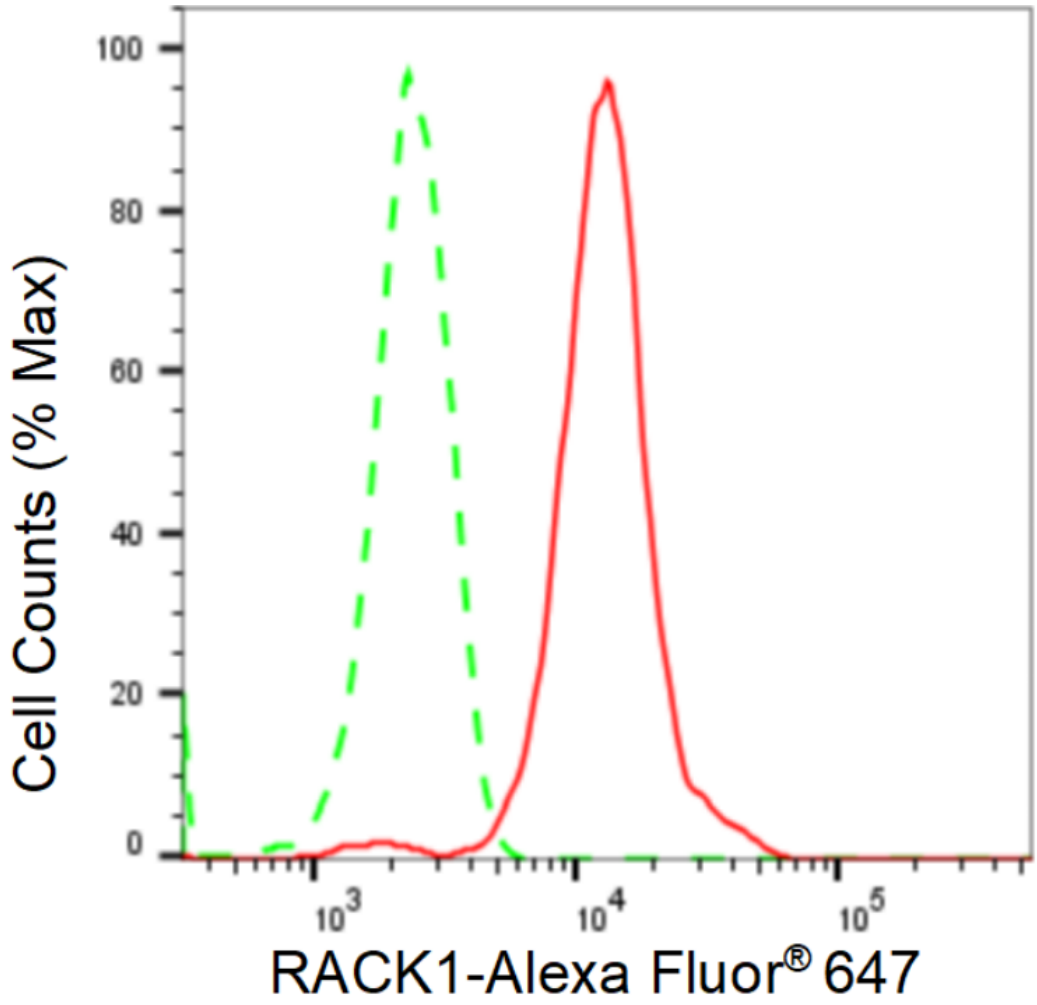
Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data



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Flow cytometric analysis of RACK1 expression in HepG2 cells using RACK1 antibody (Cat#61248, 1:2,000). Green, isotype control; red, RACK1.

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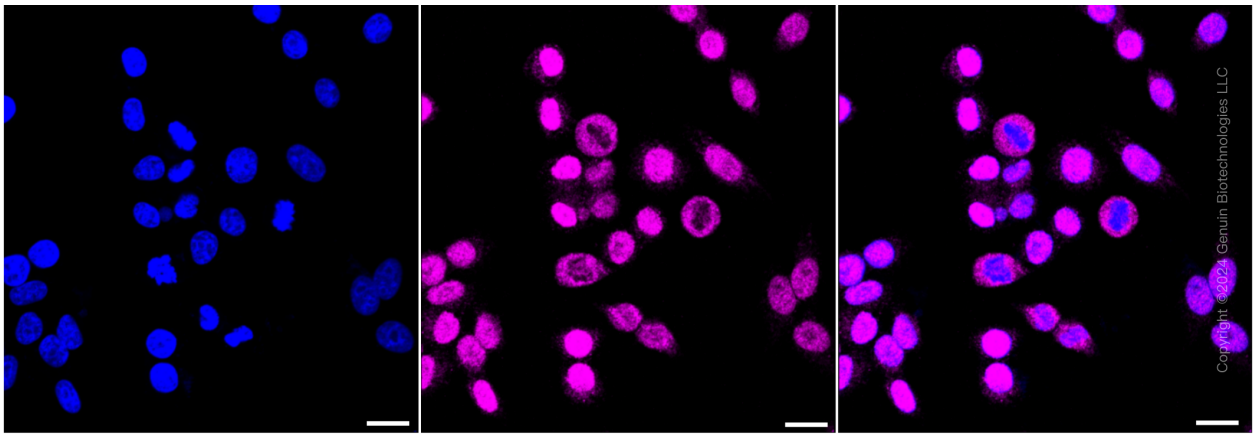
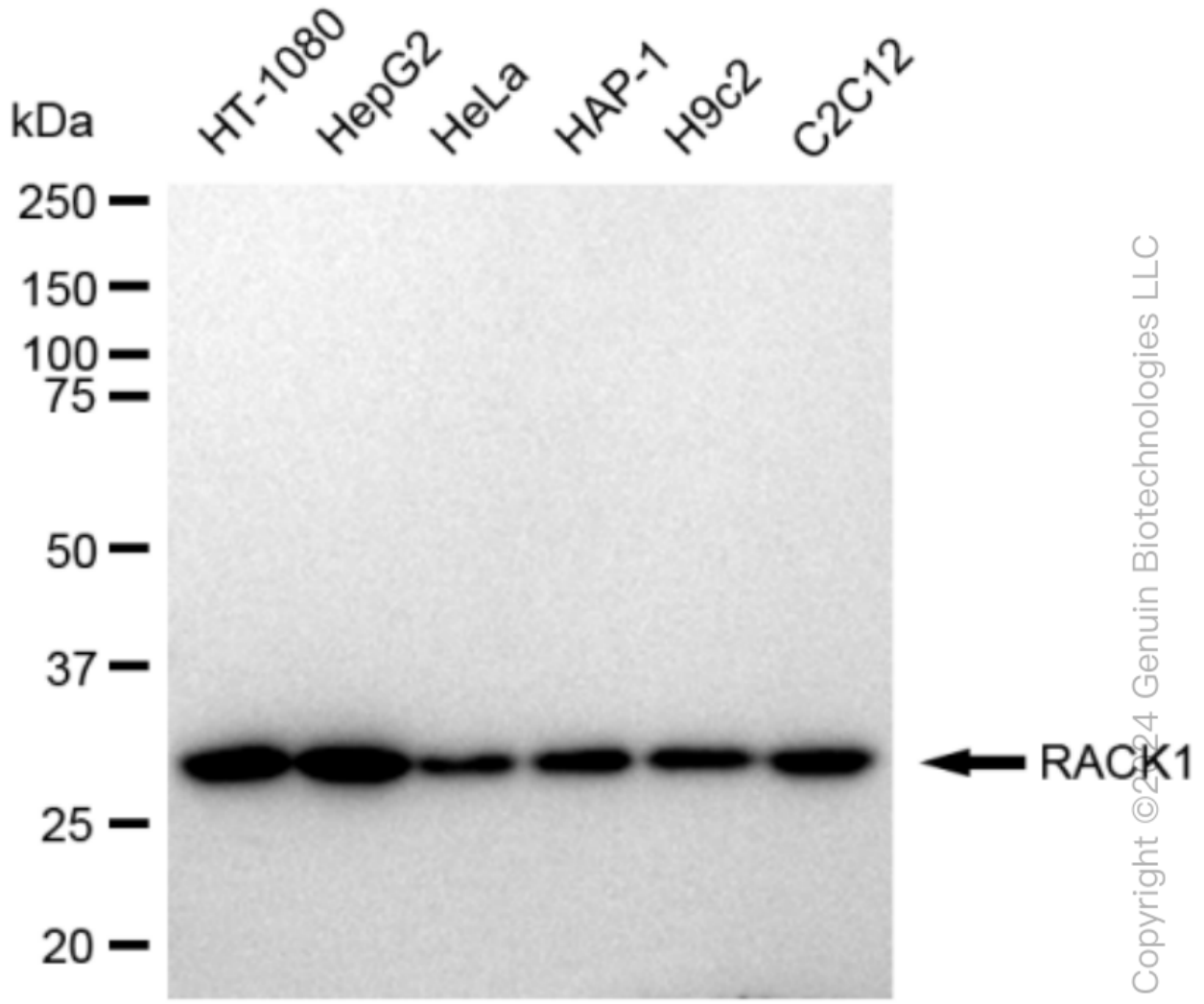


Immunocytochemical staining of HepG2 cells with RACK1 antibody (Cat#61248, 1:1,000). Nuclei were stained blue with DAPI; RACK1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



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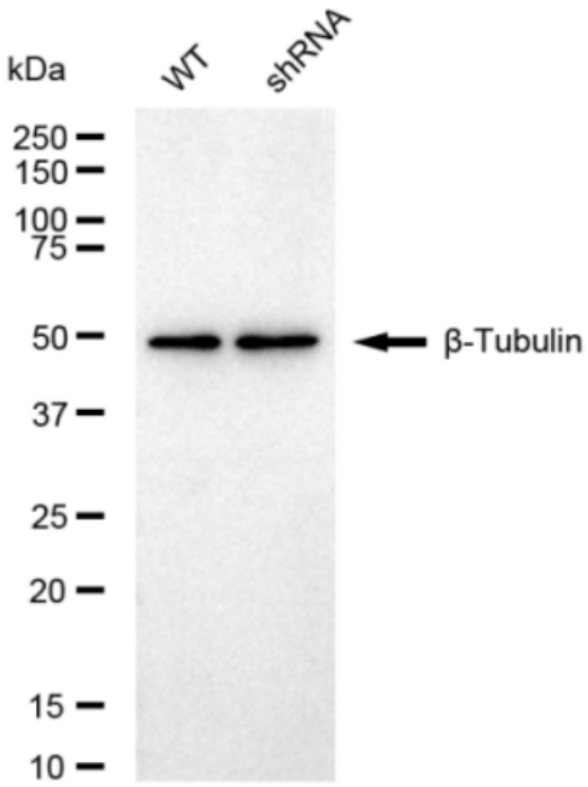
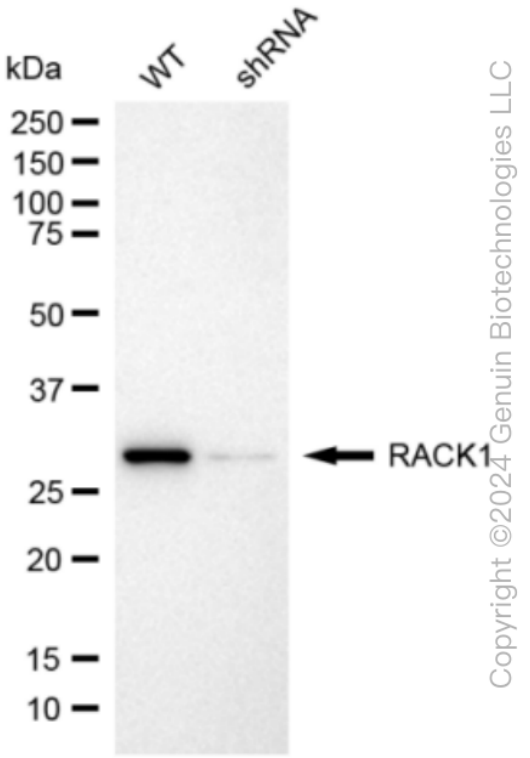
Western blotting analysis using anti-RACK1 antibody (Cat#61248). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RACK1 antibody (Cat#61248, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).





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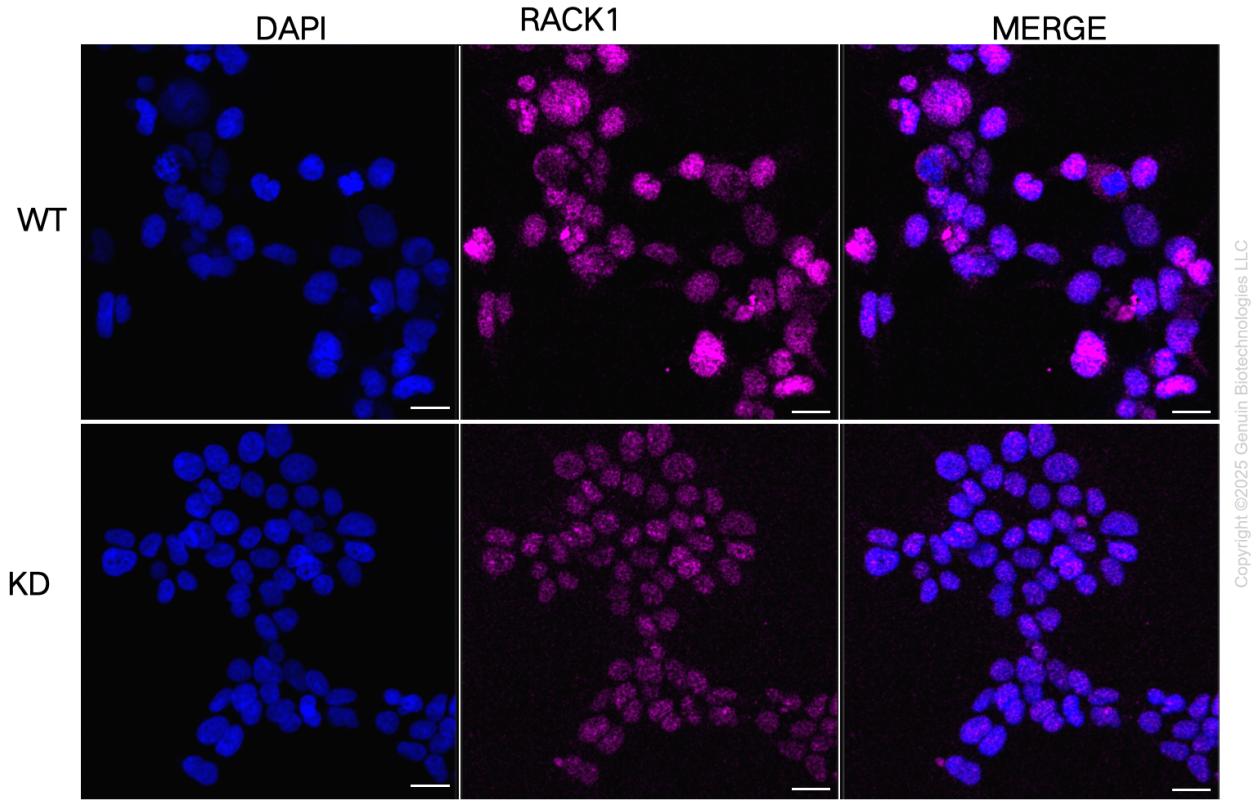
Western blotting analysis using anti-RACK1 antibody (Cat#61248). RACK1 expression in wild-type (WT) and RACK1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-RACK1 antibody (Cat#61248, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Immunocytochemical staining of HeLa cells using anti-RACK1 antibody (Cat#61248, 1:1,000), Top panel: wild-type (WT); Bottom panal: RACK1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; RACK1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.