

KD-Validated Anti-PRAS40 Recombinant Rabbit Monoclonal Antibody



Catalog #: 65171

Aliases

AKT1 Substrate 1; PRAS40; Lobe; 40 KDa Proline-Rich AKT Substrate; Proline-Rich AKT1 Substrate 1; MGC2865; Proline-Rich Akt Substrate, 40 KDa; AKT1 Substrate 1 (Proline-Rich); AKT1 Substrate 1 (Proline Rich)

Background

Gene Name: AKT1S1

NCBI Gene Entry: [84335](#)

UniProt Entry: [Q96B36](#)

Application Information

Molecular Weight: Predicted, 27 kDa, observed, 40 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB645

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human PRAS40

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

Note: This product is for research use only.

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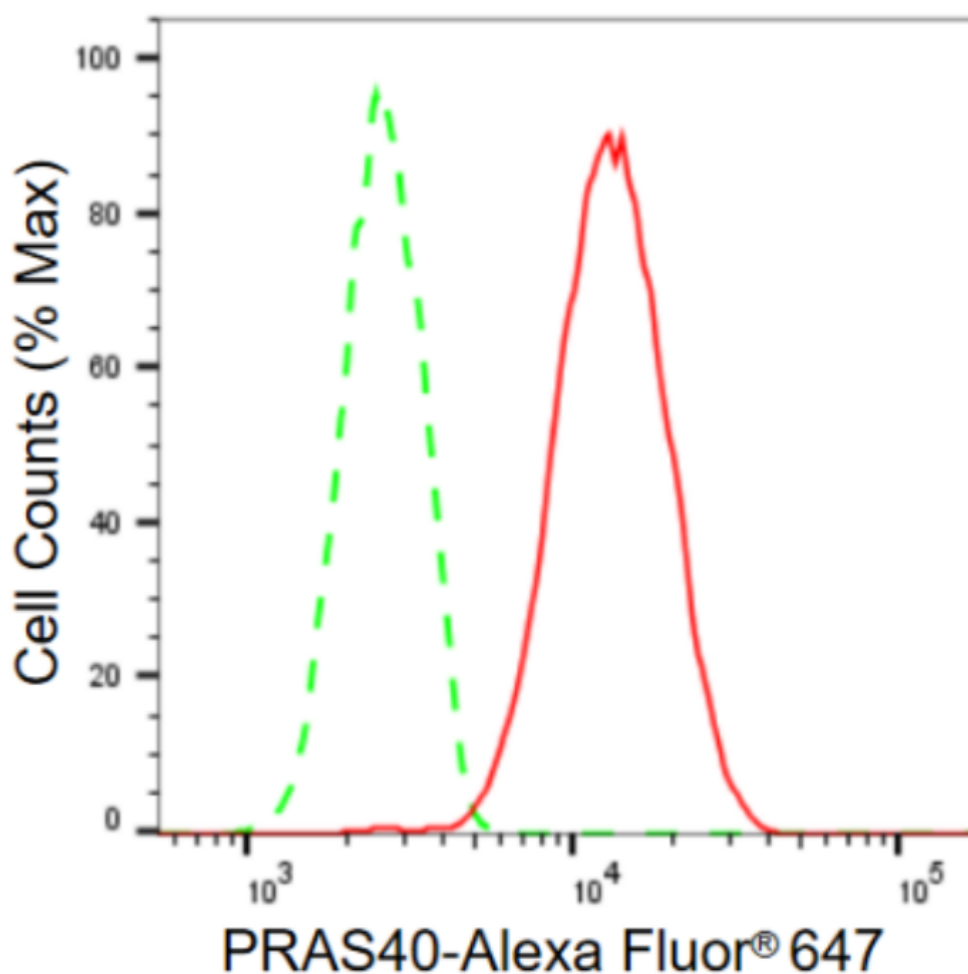
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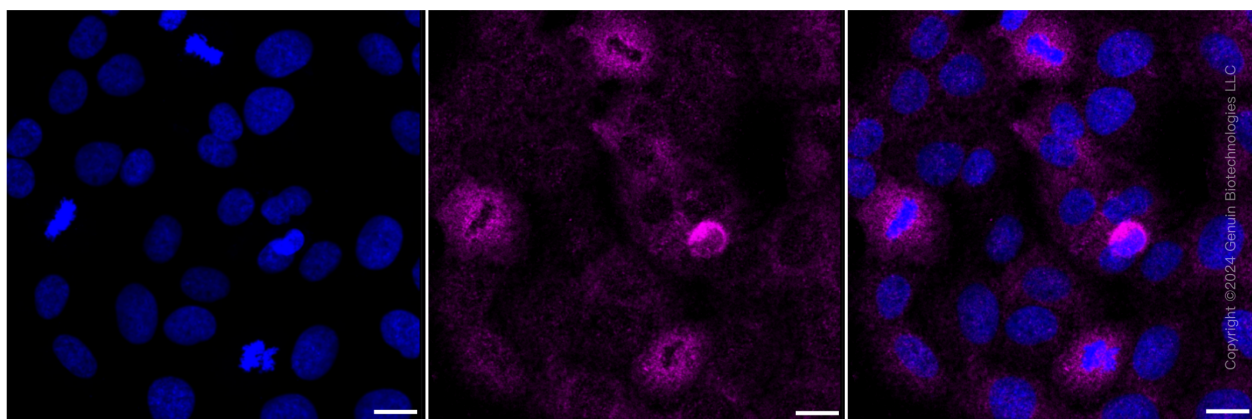
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Validation Data



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Flow cytometric analysis of PRAS40 expression in HT-1080 cells using PRAS40 antibody (Cat#65171, 1:2,000). Green, isotype control; red, PRAS40.



Immunocytochemical staining of HT-1080 cells with PRAS40 antibody (Cat#65171, 1:1,000).

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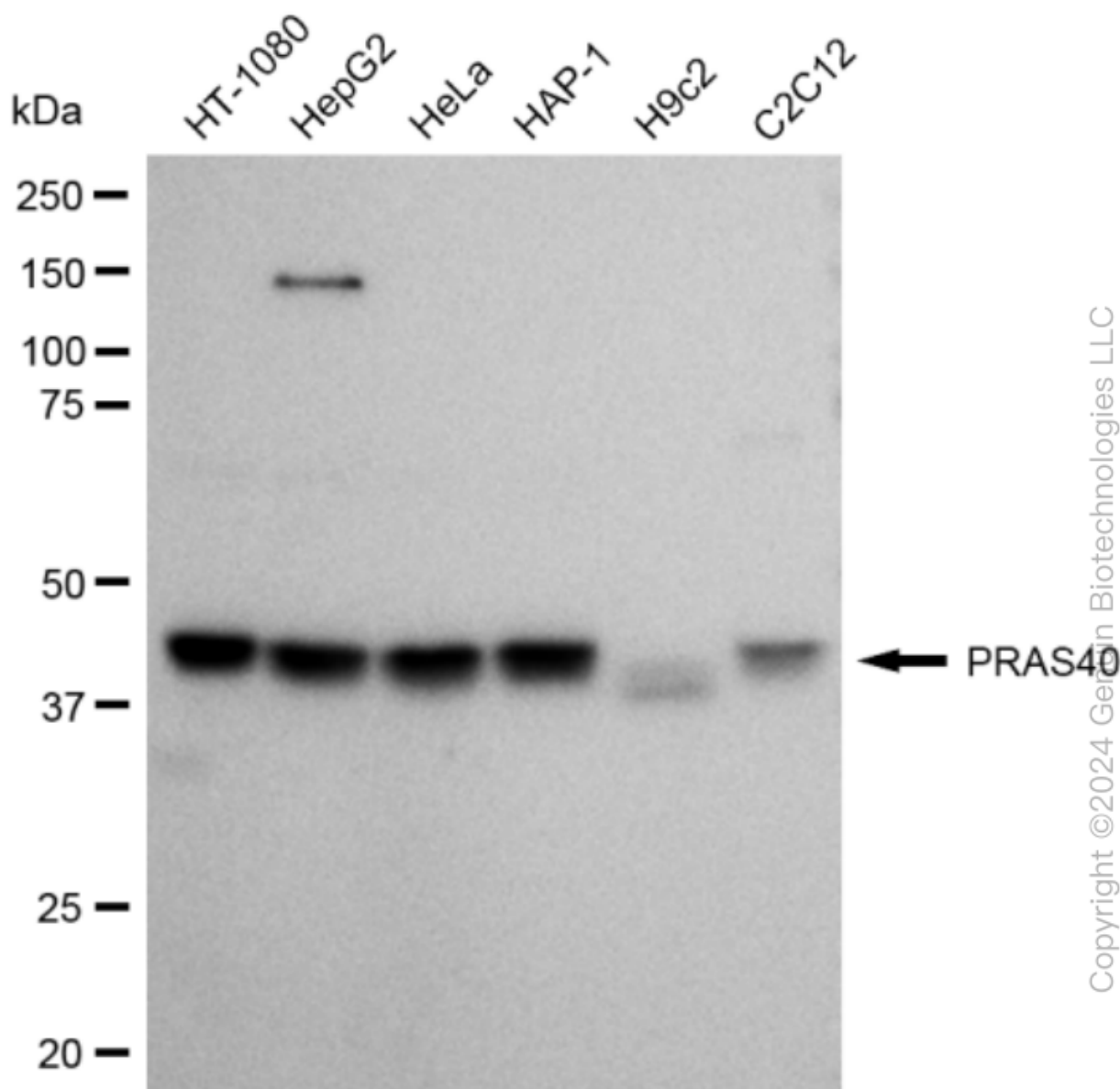
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Nuclei were stained blue with DAPI; PRAS40 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-PRAS40 antibody (Cat#65171). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-pPRAS40 antibody (Cat#65171, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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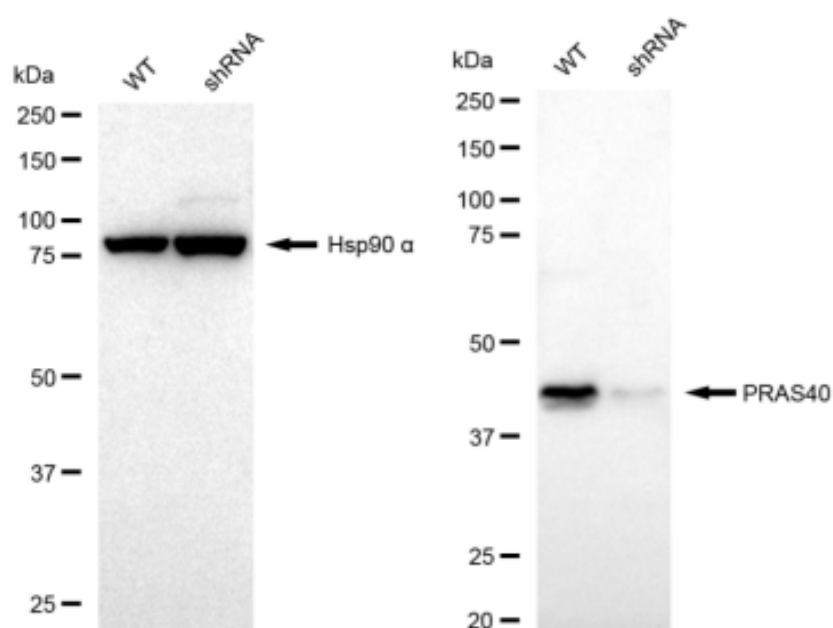
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Western blotting analysis using anti-PRAS40 antibody (Cat#65171). PRAS40 expression in wild type (WT) and PRAS40 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-PRAS40 antibody (Cat#65171, 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).

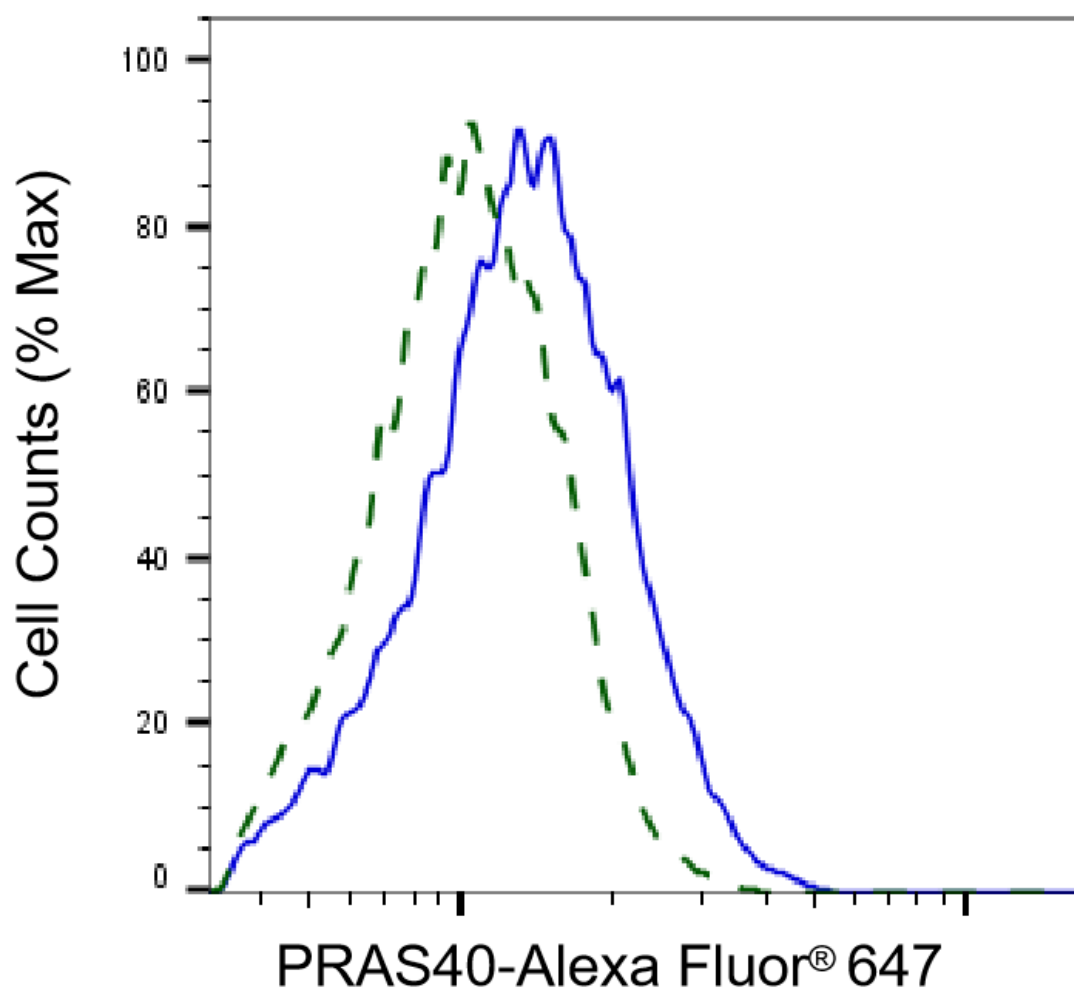
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Validation of PRAS40 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-PRAS40 antibody (Cat#65171, 1:2,000) and analyzed using BD flow cytometer.