

Anti-PHD3 Recombinant Rabbit Monoclonal Antibody



Catalog #: 1952

Aliases

EGLN3; Egl-9 Family Hypoxia Inducible Factor 3; PHD3; HIFPH3; Prolyl Hydroxylase Domain-Containing Protein 3; Hypoxia-Inducible Factor Prolyl Hydroxylase 3; Prolyl Hydroxylase EGLN3; HIF-Prolyl Hydroxylase 3; HIF-PH3; HPH-1; HPH-3; Egl Nine Homolog 3 (C. Elegans); HIF Prolyl Hydroxylase 3; Egl Nine Homolog 3; EC 1.14.11.29; EC 1.14.11.-; EC 1.14.11; HIFP4H3

Background

Gene Name: EGLN3

NCBI Gene Entry: [112399](#)

UniProt Entry: [Q9H6Z9](#)

Application Information

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

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB5275

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human PHD3

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

Immunohistochemistry (IHC): 1:100-1:1,000

Flow Cytometry (FCM) : 1:2,000

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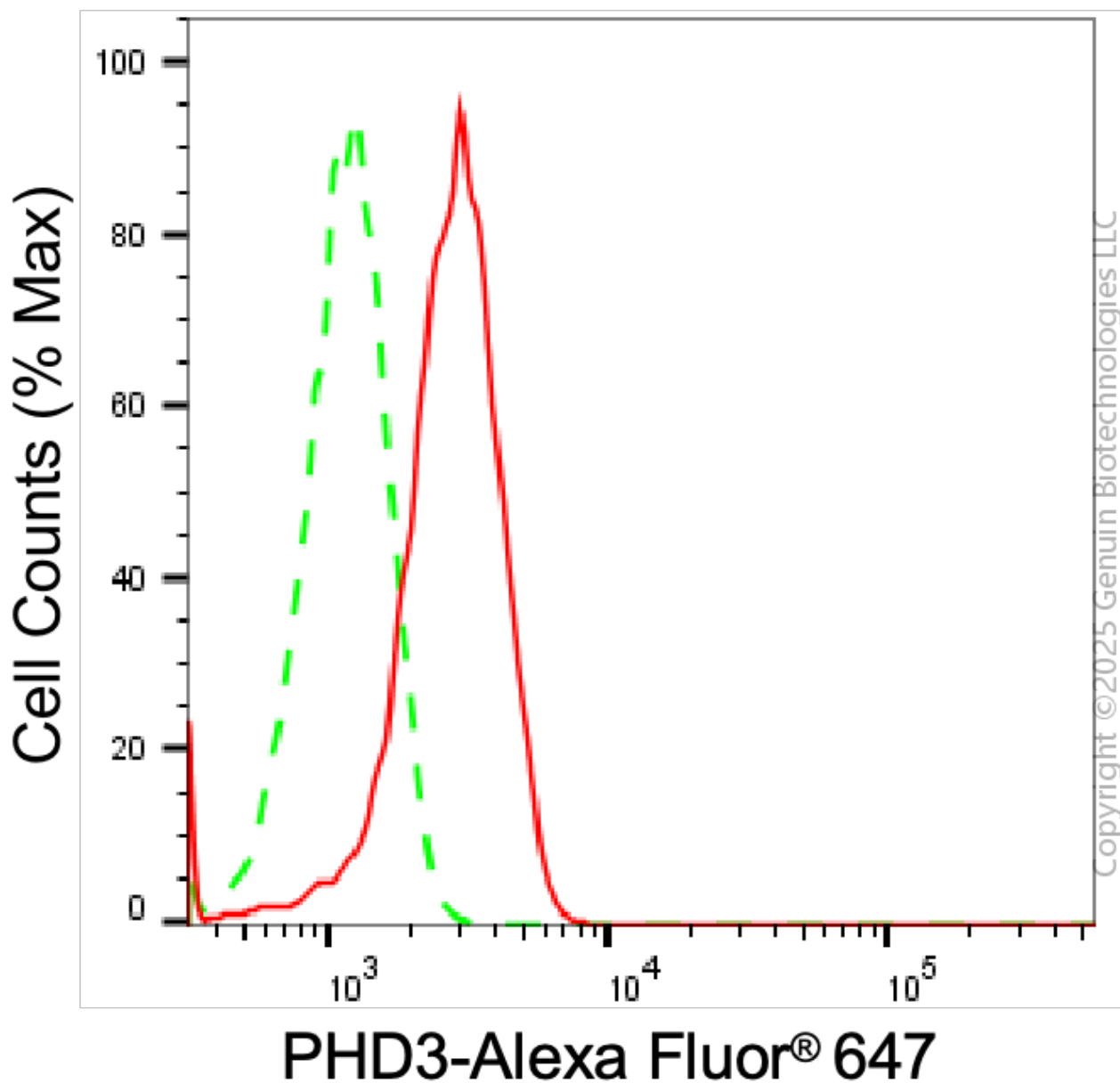
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of PHD3 expression in HepG2 cells using anti-PHD3 antibody (Cat#1952, 1:2,000). Green, isotype control; red, PHD3.

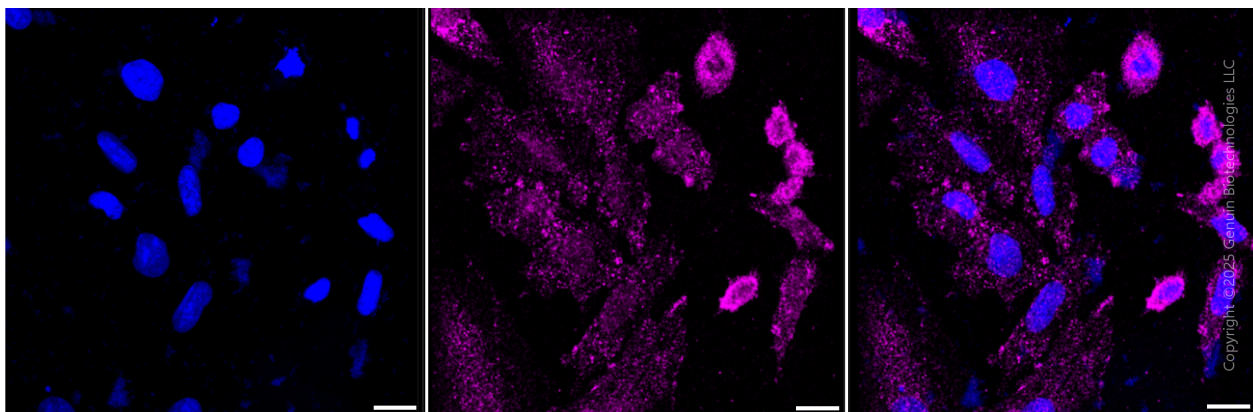
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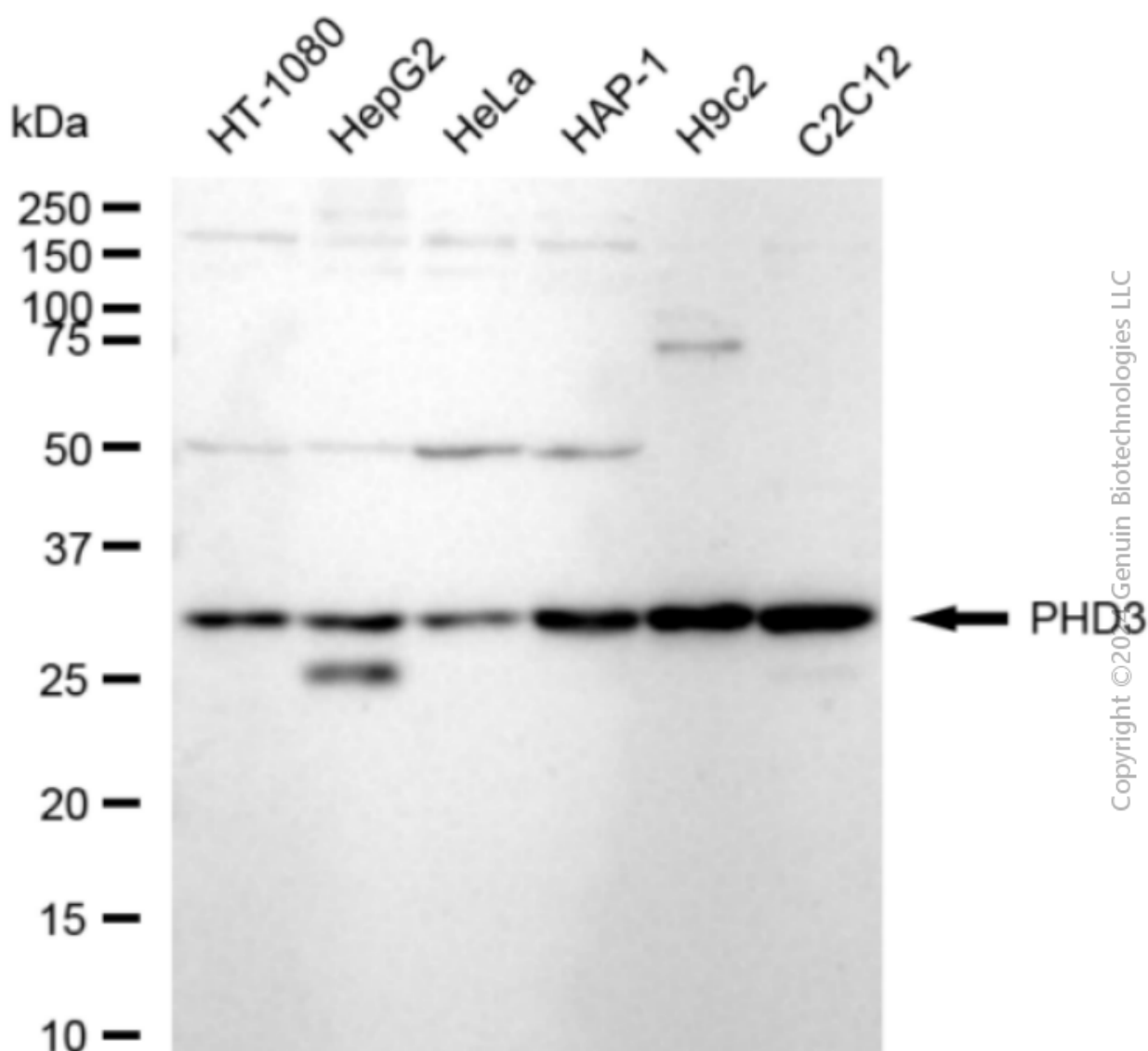
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Immunocytochemical staining of H9C2 cells with anti-PHD3 antibody (Cat #1952, 1:1,000) . Nuclei were stained blue with DAPI; PHD3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-PHD3 antibody (Cat#1952). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PHD3 antibody (Cat#1952, 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).