

Anti-P4HTM Recombinant Rabbit Monoclonal Antibody



Catalog #: 2278

Aliases

Prolyl 4-Hydroxylase, Transmembrane; P4H-TM; PH4; HIFPH4; EGLN4; PHD4; PH-4; Prolyl 4-Hydroxylase, Transmembrane (Endoplasmic Reticulum); Hypoxia-Inducible Factor Prolyl Hydroxylase 4; Prolyl Hydroxylase Domain-Containing 4; Transmembrane Prolyl 4-Hydroxylase; HIF-Prolyl Hydroxylase 4; FLJ20262; HIF-PH4; HPH-4; Hypoxia Inducible Factor Prolyl 4 Hydroxylase; Hypoxia-Inducible Factor Prolyl 4-Hydroxylase; P4H With Transmembrane Domain; Proline 4-Hydroxylase; EC 1.14.11.29; HIDEA

Background

Gene Name: P4HTM

NCBI Gene Entry: [54681](#)

UniProt Entry: [Q9NXG6](#)

Application Information

Molecular Weight: Predicted, 57 kDa; observed, 47 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB100

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human HIF Prolyl Hydroxylases

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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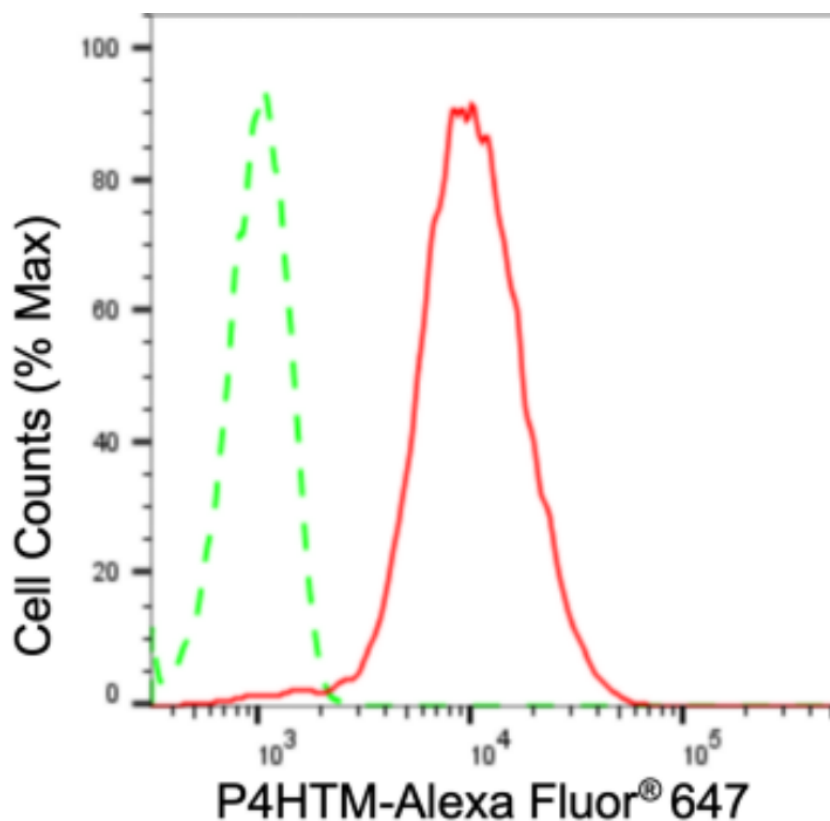
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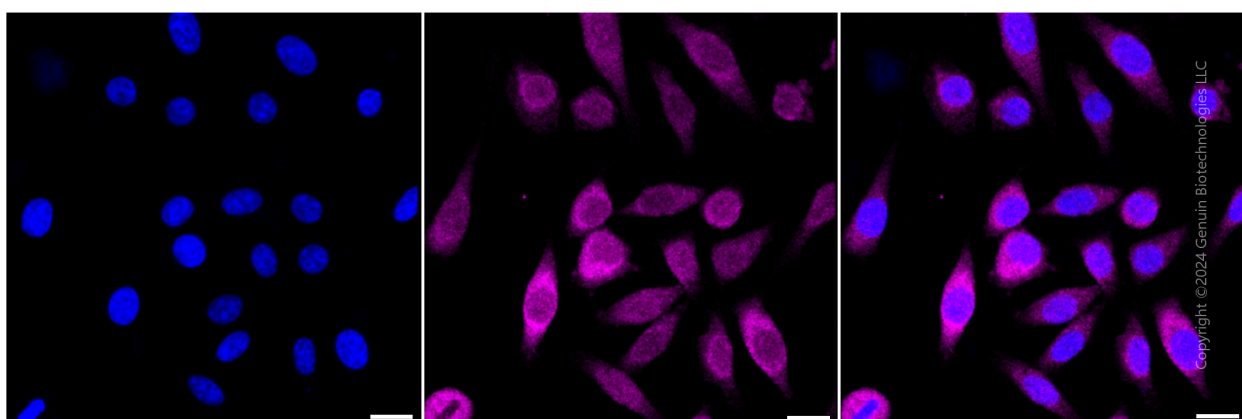
Note: This product is for research use only.

Validation Data



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Flow cytometric analysis of P4HTM expression in HepG2 cells using P4HTM antibody (Cat#2278, 1:2,000). Green, isotype control; red, P4HTM.



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Immunocytochemical staining of HepG2 cells with anti-P4HTM antibody (Cat#2278, 1:1,000). Nuclei were stained blue with DAPI; P4HTM 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.

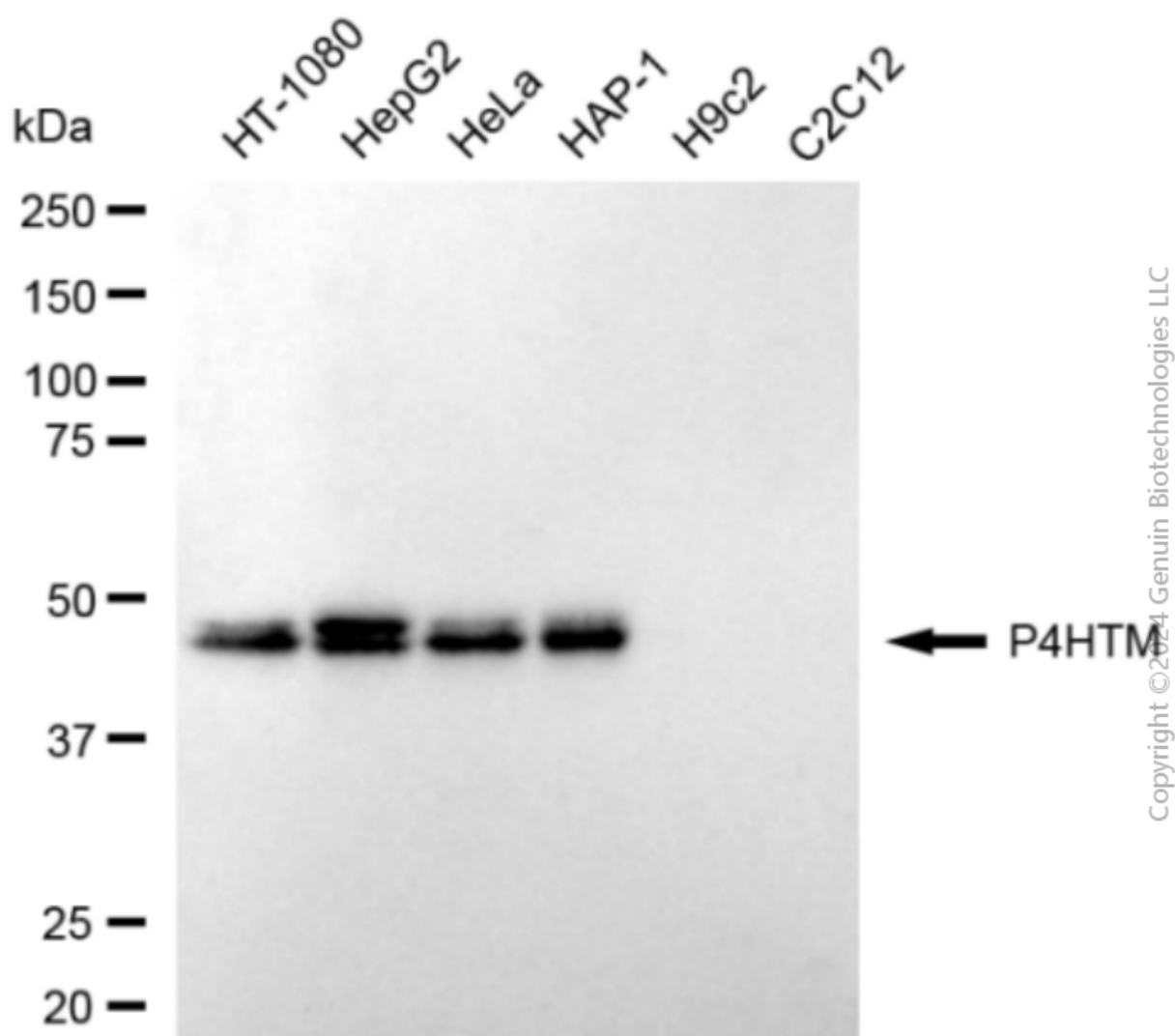
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Western blotting analysis using anti-P4HTM antibody (Cat#2278). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-P4HTM antibody (Cat#2278, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).