

KD-Validated Anti-Prolyl 4-hydroxylase subunit beta Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

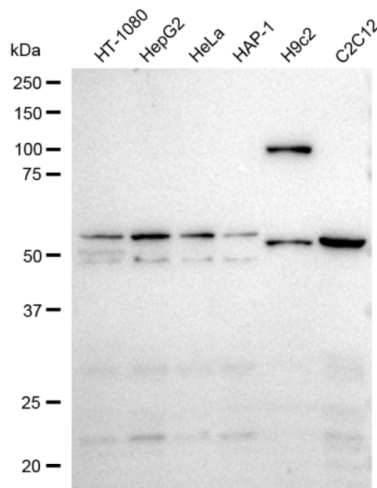
ABG1234

Product Overview

Name	KD-Validated Anti-Prolyl 4-hydroxylase subunit beta Rabbit Monoclonal Antibody
Accession(Primary)	P07237
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human P4HB
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 57 kDa , observed, 57 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

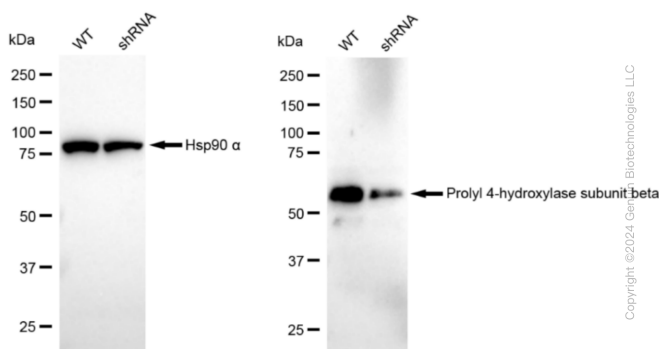
Target information (P07237)

Gene Name	P4HB
About Gene Symbol	P4HB (Prolyl 4-Hydroxylase Subunit Beta) is a collagen extracellular matrix protein involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular



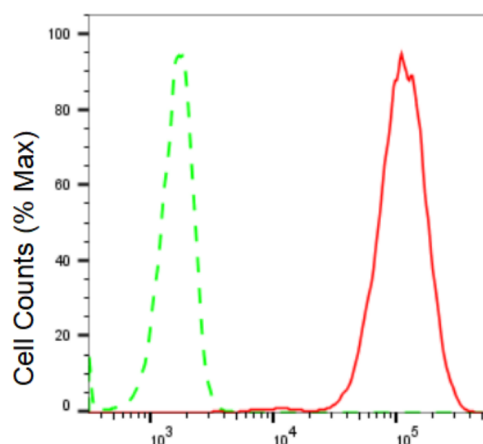
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Western blotting analysis using anti-Prolyl 4-hydroxylase subunit beta antibody (Cat#ABG1234). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Prolyl 4-hydroxylase subunit beta antibody (Cat#ABG1234, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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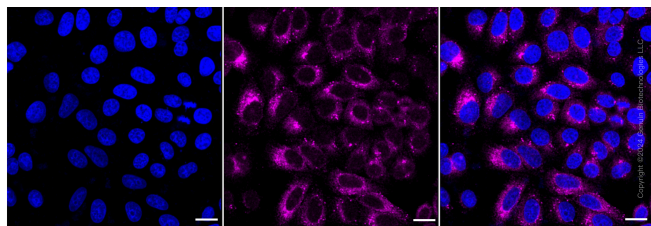
Western blotting analysis using anti-Prolyl 4-hydroxylase subunit beta antibody (Cat#ABG1234). Prolyl 4-hydroxylase subunit beta expression in wild type (WT) and prolyl 4-hydroxylase subunit beta shRNA knockdown (KD) HT1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Prolyl 4-hydroxylase subunit beta antibody (Cat#ABG1234, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Prolyl 4-hydroxylase subunit beta expression in C2C12 cells using Prolyl 4-hydroxylase subunit beta antibody (Cat#ABG1234, 1:2,000). Green, isotype control; red, Prolyl 4-hydroxylase subunit beta.

Prolyl 4-hydroxylase subunit beta-Alexa Fluor® 647



Immunocytochemical staining of HepG2 cells with anti-prolyl 4-hydroxylase subunit beta antibody (Cat#ABG1234, 1:1,000). Nuclei were stained blue with DAPI; Prolyl 4-hydroxylase subunit beta 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.