

KD-Validated Anti-KLF4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

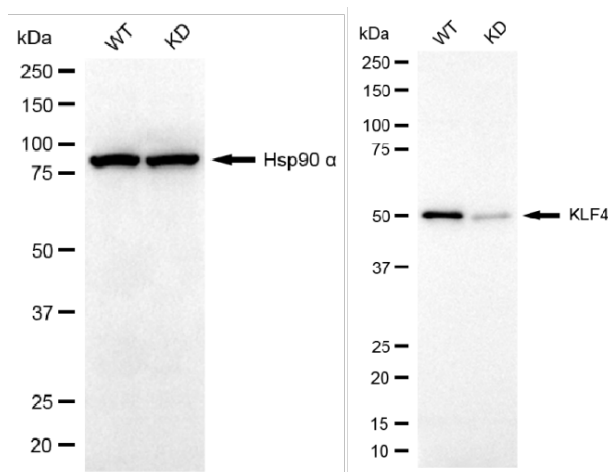
ABG1129

Product Overview

Name	KD-Validated Anti-KLF4 Rabbit Monoclonal Antibody
Accession(Primary)	O43474
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human KLF4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 55 kDa; observed, 54 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

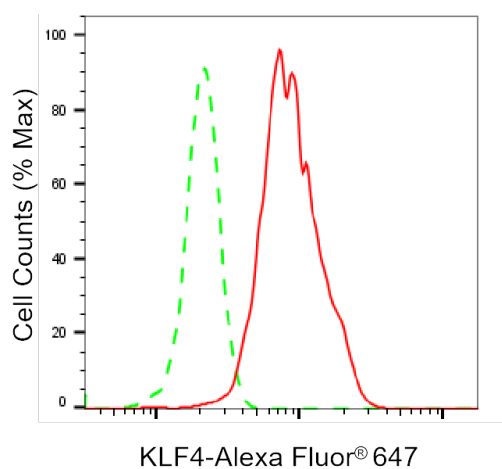
Target information (O43474)

Gene Name	KLF4
About Gene Symbol	KLF4 (KLF Transcription Factor 4) is a transcription factor involved in angiogenesis. It is an important research target in gene regulation, development, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



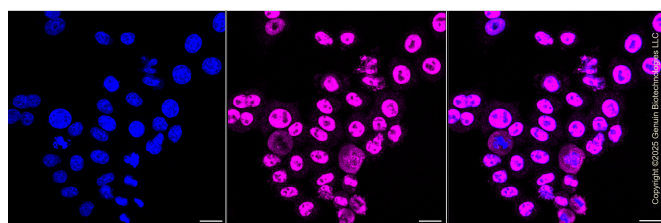
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Western blotting analysis using anti-KLF4 antibody (Cat#ABG1129). KLF4 expression in wild type (WT) and KLF4 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-KLF4 antibody (Cat#ABG1129, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



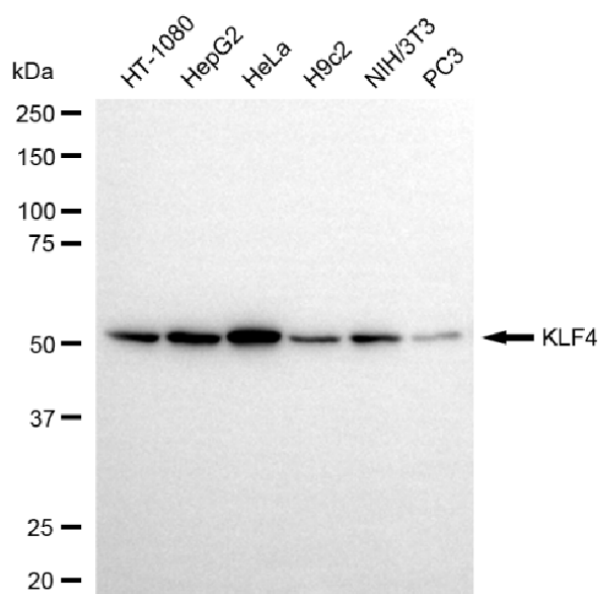
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Flow cytometric analysis of KLF4 expression in HepG2 cells using KLF4 antibody (Cat#ABG1129, 1:2,000). Green, isotype control; red, KLF4.



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Immunocytochemical staining of C2C12 cells with anti-KLF4 antibody (Cat#ABG1129, 1:1,000). Nuclei were stained blue with DAPI; KLF4 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-KLF4 antibody (Cat#ABG1129). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-KLF4 antibody (Cat#ABG1129, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.