9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-ALKBH1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2365

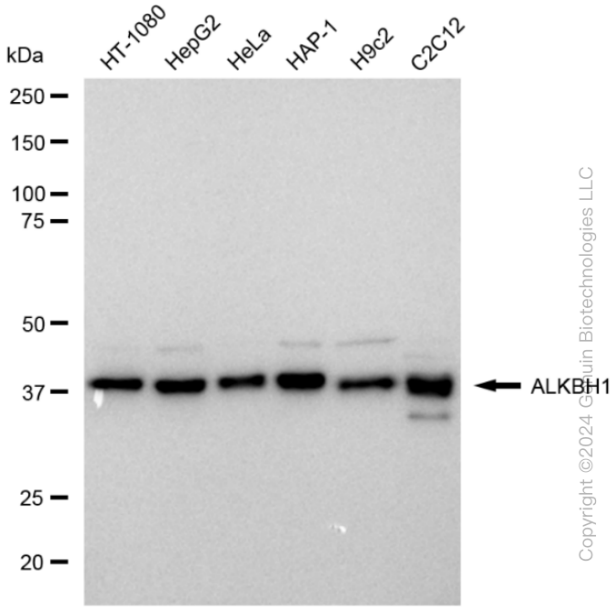
Product Overview

Name	KD-Validated Anti-ALKBH1 Rabbit Monoclonal Antibody
Accession(Primary)	Q13686
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from ALKBH1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 44 kDa; Observed, 43 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 Immunocytochemistry (IC): 1:1,000

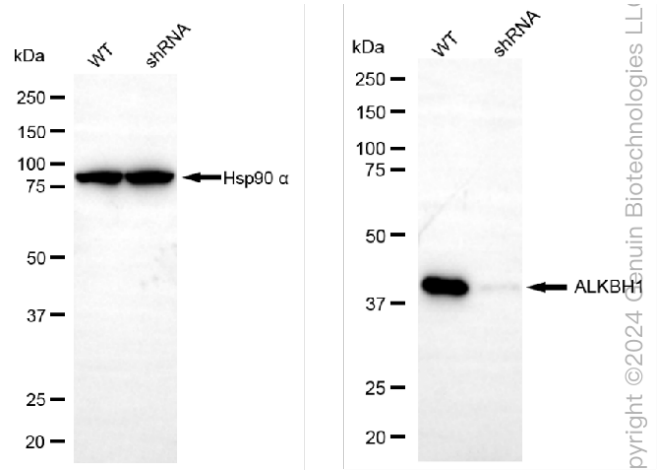
Target information (Q13686)

Gene Name	ALKBH1
About Gene Symbol	ALKBH1 (AlkB Homolog 1, Histone H2A Dioxygenase) is a metabolic enzyme involved in DNA damage response and repair and chromatin remodeling and epigenetics. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and

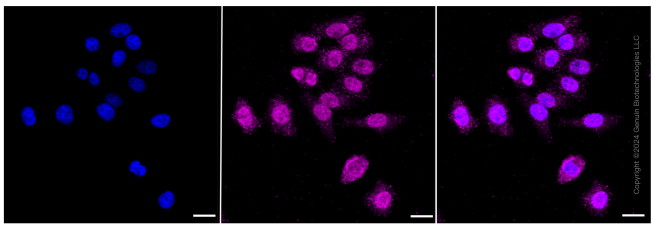
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Western blotting analysis using anti-ALKBH1 antibody (Cat#ABG2365). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ALKBH1 antibody (Cat#ABG2365, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ALKBH1 antibody (Cat#ABG2365). ALKBH1 expression in wild type (WT) and ALKBH1 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-ALKBH1 antibody (Cat#ABG2365, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with ALKBH1 antibody (ABG2365, 1:1,000). Nuclei were stained blue with DAPI; ALKBH1 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.