

# KD-Validated Anti-ALKBH1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

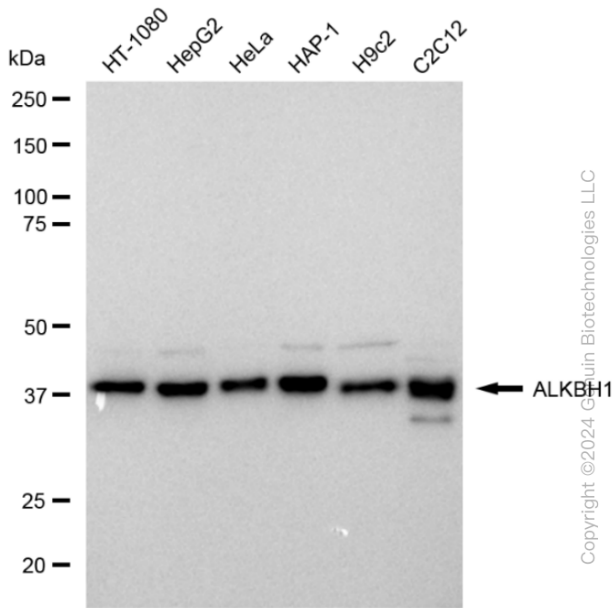
ABG2365

## Product Overview

<b>Name</b>	KD-Validated Anti-ALKBH1 Rabbit Monoclonal Antibody
<b>Accession(Primary)</b>	Q13686
<b>Host Species</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Immunogen</b>	A synthesized peptide derived from ALKBH1
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Calculated MW</b>	Predicted, 44 kDa; Observed, 43 kDa
<b>Storage Buffer</b>	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
<b>Recommended Dilution</b>	Western blotting (WB): 1:1,000-1:5,000 Immunocytochemistry (IC): 1:1,000

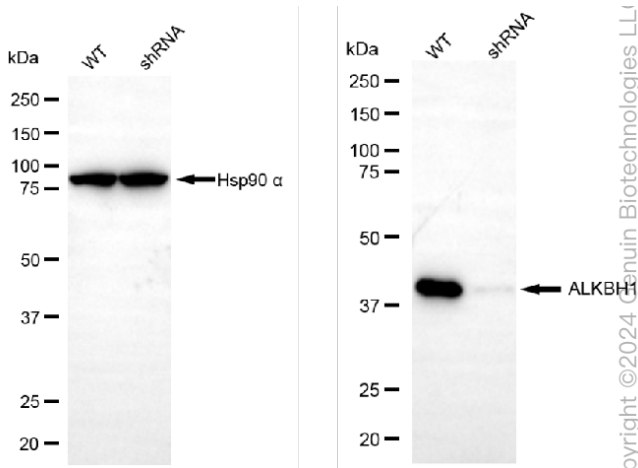
## Target information (Q13686)

<b>Gene Name</b>	ALKBH1
<b>About Gene Symbol</b>	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



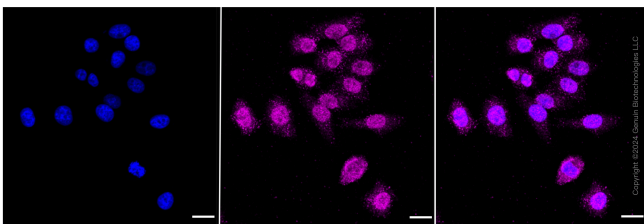
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Western blotting analysis using anti-ALKBH1 antibody (Cat#ABG2365). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ALKBH1 antibody (Cat#ABG2365, 1:5,000) and HRP-conjugated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



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Western blotting analysis using anti-ALKBH1 antibody (Cat#ABG2365). ALKBH1 expression in wild type (WT) and ALKBH1 shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates. Hsp90  $\alpha$  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.



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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  $\mu$ m.