

Product Name: KD-Validated ALKBH4 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01212

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.8kDa

Antigen Information

Gene Name	ALKBH4
Alternative Names	ALKBH4; AlkB Homolog 4, Lysine Demethylase; Alpha-Ketoglutarate-Dependent Dioxygenase AlkB Homolog 4; Alkylated DNA Repair Protein AlkB Homolog 4; DNA N6-Methyl Adenine Demethylase ALKBH4; Lysine-Specific Demethylase ALKBH4; FLJ20013; ABH4; Probable Alpha-Ketoglutarate-Dependent Dioxygenase ABH4; AlkB, Alkylation Repair Homolog 4 (E. Coli); AlkB Homolog 4, Lysine Demthylase; AlkB, Alkylation Repair Homolog 4; EC 1.14.11.51; EC 1.14.11.-
Gene ID	54784.0
SwissProt ID	Q9NXW9
Immunogen	Recombinant protein of human ALKBH4

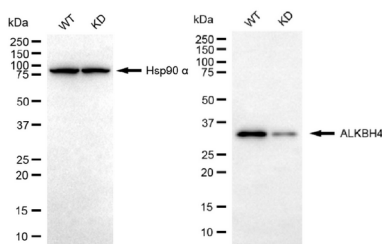
Background

Enables 2-oxoglutarate-dependent dioxygenase activity and actin binding activity. Involved in actomyosin structure organization and cleavage furrow ingression. Located in contractile ring and midbody. [provided by Alliance of Genome Resources, Jul 2025]

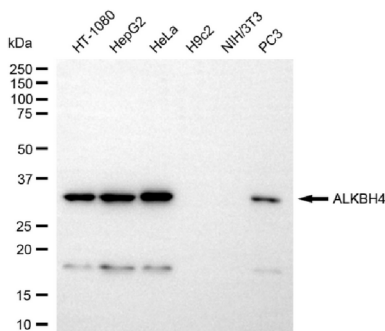
Research Area

Epigenetics and Nuclear Signaling

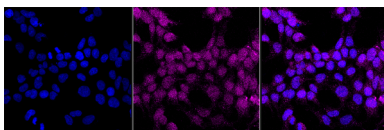
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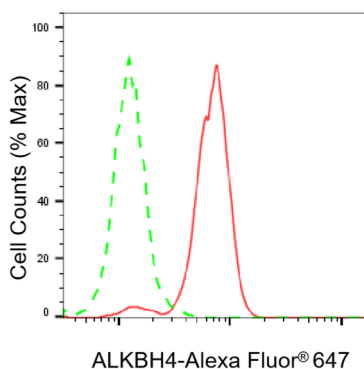
Western blotting analysis using ALKBH4 antibody (KVA01212). ALKBH4 expression in wild-type (WT) and ALKBH4 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ALKBH4 antibody (KVA01212, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ALKBH4 antibody (KVA01212). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ALKBH4 antibody (KVA01212, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with ALKBH4 protein antibody (KVA01212, 1:1,000). Nuclei were stained blue with DAPI; ALKBH4 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.



Flow cytometric analysis of ALKBH4 expression in HeLa cells using ALKBH4 antibody (KVA01212, 1:2,000). Green, isotype control; red, ALKBH4.