

Product Name: KD-Validated Lysine Acetyltransferase 7 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01467

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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: 70.6kDa

Antigen Information

Gene Name	KAT7
Alternative Names	KAT7; Lysine Acetyltransferase 7; HBO1; Histone Acetyltransferase Binding To ORC1; ZC2HC7; MYST2; HBOA; MOZ, YBF2/SAS3, SAS2 And TIP60 Protein; MYST Histone Acetyltransferase 2; Histone Acetyltransferase KAT7; K(Lysine) Acetyltransferase 7; Histone Acetyltransferase MYST2; EC 2.3.1.48; MYST-2; HBOa
Gene ID	11143.0
SwissProt ID	O95251
Immunogen	A synthesized peptide derived from human KAT7 / HBO1 / MYST2

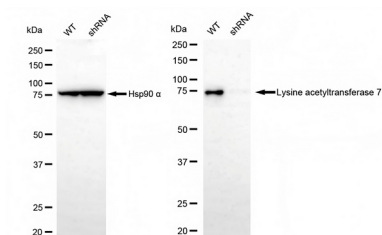
Background

The protein encoded by this gene is part of the multimeric HBO1 complex, which possesses histone H4-specific acetyltransferase activity. This activity is required for functional replication origins and is involved in transcriptional activation of some genes. In both cases, the acetylation of histone H4 helps unfold chromatin so that the DNA can be accessed and replicated or transcribed. [provided by RefSeq, Oct 2016]

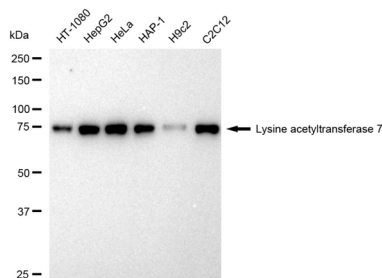
Research Area

Epigenetics and Nuclear Signaling

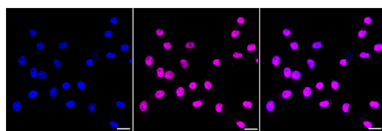
Image Data



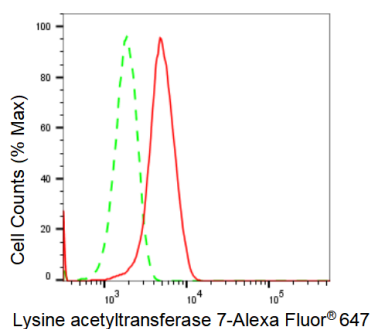
Western blotting analysis using lysine acetyltransferase 7 antibody (KVA01467). Lysine acetyltransferase 7 expression in wild type (WT) and lysine acetyltransferase 7 (KAT7) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with lysine acetyltransferase 7 antibody (KVA01467, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Lysine acetyltransferase 7 antibody (KVA01467). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Lysine acetyltransferase 7 antibody (KVA01467, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Lysine acetyltransferase 7 antibody (KVA01467, 1:1,000). Nuclei were stained blue with DAPI; Lysine acetyltransferase 7 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 Lysine acetyltransferase 7 expression in HepG2 cells using Lysine acetyltransferase 7 antibody (KVA01467, 1:2,000). Green, isotype control; red, Lysine acetyltransferase 7.