

**KD-Validated Anti-Lysine acetyltransferase 7 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1293****Specification****KD-Validated Anti-Lysine acetyltransferase 7 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">O95251</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 71 kDa , observed, 75 kDa KDa
Gene Name	KAT7
Aliases	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
Immunogen	A synthesized peptide derived from human KAT7 / HBO1 / MYST2

**KD-Validated Anti-Lysine acetyltransferase 7 Rabbit Monoclonal Antibody - Additional Information**Gene ID **11143****Other Names**

Histone acetyltransferase KAT7, 2.3.1.48, Histone acetyltransferase binding to ORC1, Lysine acetyltransferase 7, MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2 {ECO:0000303|Ref.4}, MYST-2 {ECO:0000303|Ref.4}, KAT7 {ECO:0000303|PubMed:31767635, ECO:0000312|HGNC:HGNC:17016}

**KD-Validated Anti-Lysine acetyltransferase 7 Rabbit Monoclonal Antibody - Protein Information****Name** KAT7 {ECO:0000303|PubMed:31767635, ECO:0000312|HGNC:HGNC:17016}**Function**

Catalytic subunit of histone acetyltransferase HBO1 complexes, which specifically mediate acetylation of histone H3 at 'Lys-14' (H3K14ac), thereby regulating various processes, such as gene transcription, protein ubiquitination, immune regulation, stem cell pluripotent and self-renewal maintenance and embryonic development (PubMed:<a href="http://www.uniprot.org/citations/16387653" target="\_blank">16387653</a>, PubMed:<a href="http://www.uniprot.org/citations/21753189" target="\_blank">21753189</a>, PubMed:<a href="http://www.uniprot.org/citations/21753189" target="\_blank">21753189</a>)

## Cellular Location

## Tissue Location

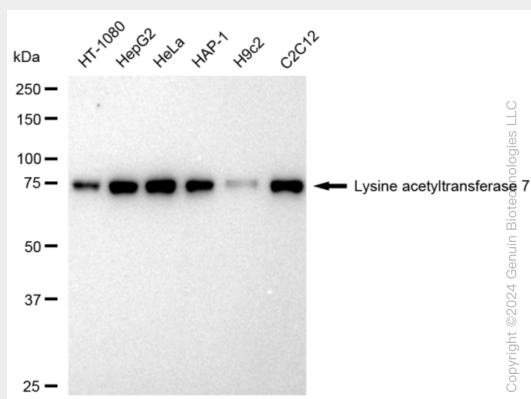
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## KD-Validated Anti-Lysine acetyltransferase 7 Rabbit Monoclonal Antibody - Protocols

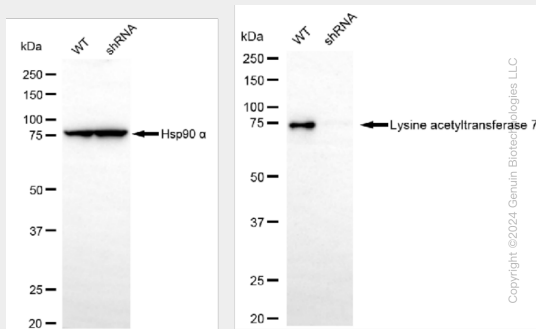
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

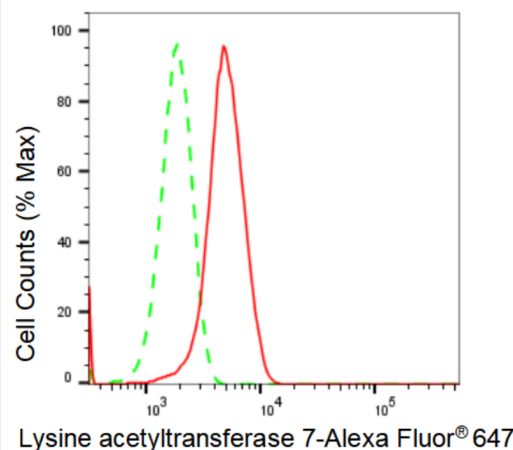
## KD-Validated Anti-Lysine acetyltransferase 7 Rabbit Monoclonal Antibody - Images



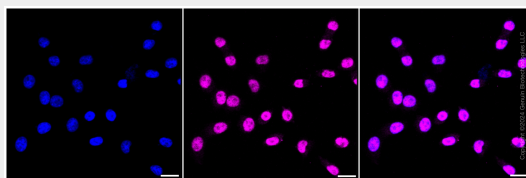
Western blotting analysis using anti-Lysine acetyltransferase 7 antibody (Cat#AGI1293). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Lysine acetyltransferase 7 antibody (Cat#AGI1293, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Lysine acetyltransferase 7 antibody (Cat#AGI1293). Lysine acetyltransferase 7 expression in wild type (WT) and lysine acetyltransferase 7 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Lysine acetyltransferase 7 antibody (Cat#AGI1293, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Lysine acetyltransferase 7 expression in HepG2 cells using Lysine acetyltransferase 7 antibody (Cat#AGI1293, 1:2,000). Green, isotype control; red, Lysine acetyltransferase 7.



Immunocytochemical staining of HepG2 cells with Lysine acetyltransferase 7 antibody (Cat#AGI1293, 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.