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KD-Validated Anti-Histone deacetylase 9 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1037

Specification

KD-Validated Anti-Histone deacetylase 9 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q9UKV0
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 111 kDa , observed, 160 kDa KDa**
Gene Name	**HDAC9**
Aliases	**HDAC9; Histone Deacetylase 9; HDAC7B; MITR; HD7; KIAA0744; HDAC; Histone Deacetylase 7B; EC 3.5.1.98; HDAC; HD7b; HDRP; HD9; MEF-2 Interacting Transcription Repressor (MITR) Protein; MEF2-Interacting Transcription Repressor MITR; Histone Deacetylase 4/5-Related Protein; Histone Deacetylase-Related Protein; HDAC9FL; ARCND4; HDAC9B**
Immunogen	**A synthesized peptide derived from human HDAC9**

KD-Validated Anti-Histone deacetylase 9 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**9734**

Other Names
Histone deacetylase 9, HD9, 3.5.1.98, Histone deacetylase 7B, HD7, HD7b, Histone deacetylase-related protein, MEF2-interacting transcription repressor MITR, HDAC9, HDAC7, HDAC7B, HDRP, KIAA0744, MITR

KD-Validated Anti-Histone deacetylase 9 Rabbit Monoclonal Antibody - Protein Information

Name HDAC9

Synonyms HDAC7, HDAC7B, HDRP, KIAA0744, MITR

Function
Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Represses MEF2-dependent transcription.

Cellular Location
Nucleus.

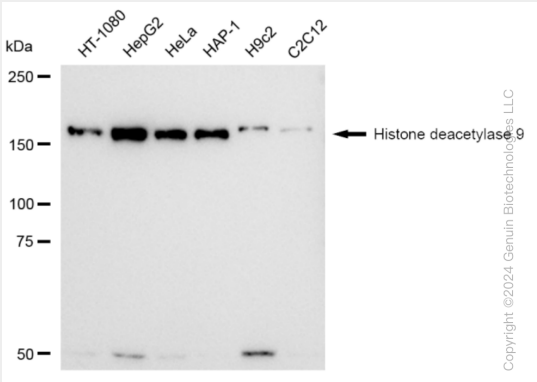
Tissue Location
Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells (at protein level).

KD-Validated Anti-Histone deacetylase 9 Rabbit Monoclonal Antibody - Protocols

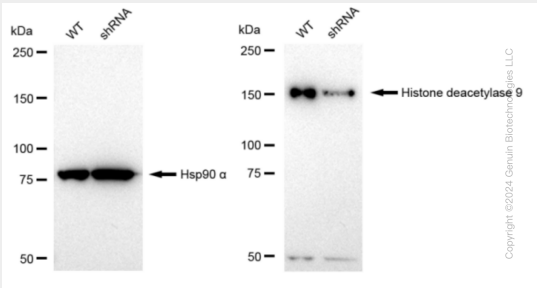
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Histone deacetylase 9 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Histone deacetylase 9 antibody (Cat#AGI1037). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Histone deacetylase 9 antibody (Cat#AGI1037, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Histone deacetylase 9 antibody (Cat#AGI1037). Histone deacetylase 9 expression in wild type (WT) and histone deacetylase 9 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-Histone deacetylase 9 antibody (Cat#AGI1037, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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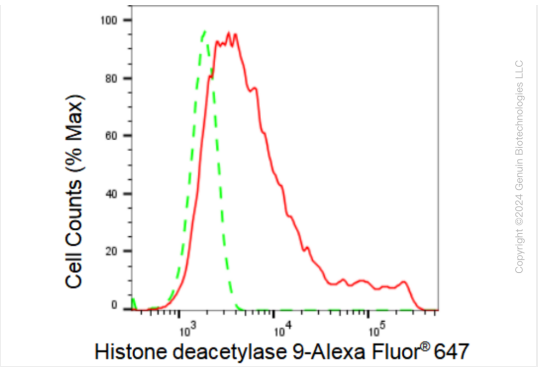
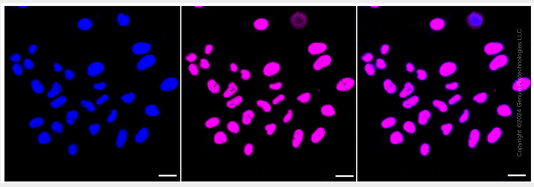


Flow cytometric analysis of Histone deacetylase 9 expression in HepG2 cells using Histone deacetylase 9 antibody (Cat#AGI1037, 1:2,000). Green, isotype control; red, Histone deacetylase 9.



Immunocytochemical staining of HepG2 cells with Histone deacetylase 9 antibody (Cat#AGI1037, 1:1,000). Nuclei were stained blue with DAPI; Histone deacetylase 9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.