
Product Name: KD-Validated Histone Deacetylase 10 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01771**

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: 71.4kDa

Antigen Information

Gene Name	HDAC10
Alternative Names	HDAC10; Histone Deacetylase 10; Polyamine Deacetylase HDAC10; DKFZP761B039; HD10; EC 3.5.1.; EC 3.5.1.
Gene ID	83933.0
SwissProt ID	Q969S8
Immunogen	A synthesized peptide derived from human HDAC10

Background

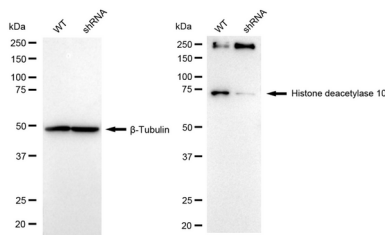
The protein encoded by this gene belongs to the histone deacetylase family, members of which deacetylate lysine residues on the N-terminal part of the core histones. Histone deacetylation modulates chromatin structure, and plays an important role in

transcriptional regulation, cell cycle progression, and developmental events. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

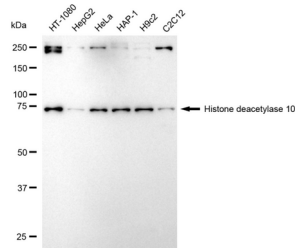
Research Area

Epigenetics and Nuclear Signaling, Stem Cells

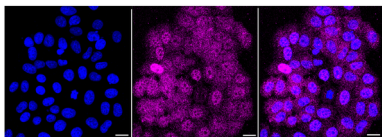
Image Data



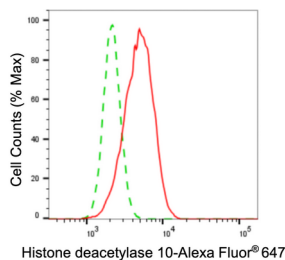
Western blotting analysis using histone deacetylase 10 antibody (KVA01771). Histone deacetylase 10 expression in wild-type (WT) and histone deacetylase 10 (HDAC10) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with histone deacetylase 10 antibody (KVA01771, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using histone deacetylase 10 antibody (KVA01771). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with histone deacetylase 10 antibody (KVA01771, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with histone deacetylase 10 antibody (KVA01771, 1:1,000). Nuclei were stained blue with DAPI; Histone deacetylase 10 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 histone deacetylase 10 expression in HepG2 cells using histone deacetylase 10 antibody (KVA01771, 1:2,000). Green, isotype control; red, histone deacetylase 10.