Product Name: **KD-Validated Histone Deacetylase 2 Mouse Monoclonal Antibody**
Catalog #: **KVAb01723**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:2,500-1:5,000
Molecular Weight	Calculated MW: 55.4kDa

Antigen Information

Gene Name	HDAC2
Alternative Names	HDAC2; Histone Deacetylase 2; KDAC2; RPD3; YAF1; Protein Deacylase HDAC2; EC 3.5.1.98; HD2; Transcriptional Regulator Homolog RPD3; YY1-Associated Factor 1; EC 3.5.1.-
Gene ID	3066.0
SwissProt ID	Q92769
Immunogen	Recombinant protein of human Histone Deacetylase 2

Background

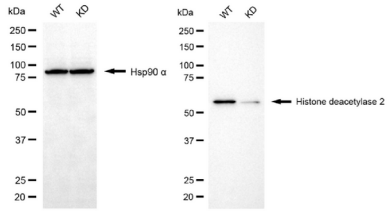
This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1,

a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]

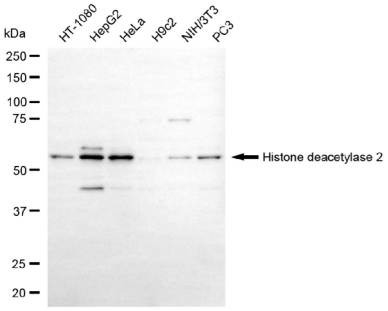
Research Area

Epigenetics and Nuclear Signaling,Stem Cells,Cardiovascular

Image Data



Western blotting analysis using histone deacetylase 2 antibody (KVAb01723). Histone deacetylase 2 expression in wild type (WT) and histone deacetylase 2 (HDAC2) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with histone deacetylase 2 antibody (KVAb01723, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using histone deacetylase 2 antibody (KVAb01723). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with histone deacetylase 2 antibody (KVAb01723, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.