

Product Name: KD-Validated HDAC1 Rabbit Polyclonal Antibody**Catalog #: KVA00475**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
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 1:500-1:2,500
Molecular Weight	Calculated MW: 55.1kDa

Antigen Information

Gene Name	HDAC1 HDAC1; Histone Deacetylase 1; HD1; GON-10; RPD3L1; KDAC1; Protein Deacetylase
Alternative Names	HDAC1; Protein Deacetylase HDAC1; EC 3.5.1.98; Reduced Potassium Dependency, Yeast Homolog-Like 1; EC 3.5.1.-; RPD3
Gene ID	3065.0
SwissProt ID	Q13547
Immunogen	A synthesized peptide derived from human Histone Deacetylase 1

Background

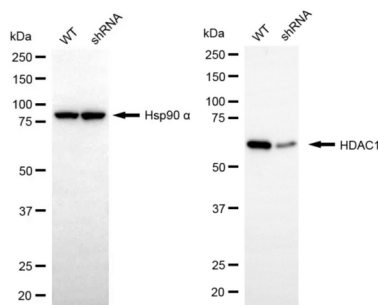
Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of

the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq, Jul 2008]

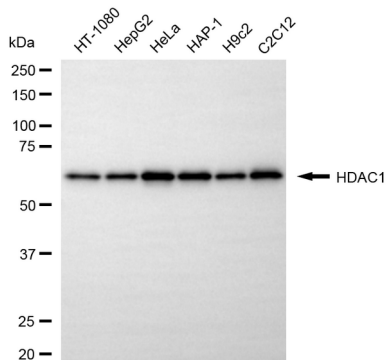
Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Cardiovascular

Image Data



Western blotting analysis using HDAC1 antibody (KVA00475). HDAC1 expression in wild-type (WT) and HDAC1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HDAC1 antibody (KVA00475, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using HDAC1 antibody (KVA00475). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HDAC1 antibody (KVA00475, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.