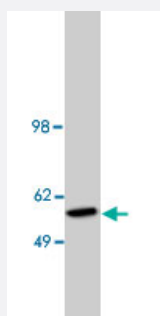


HDAC1 polyclonal antibody

Catalog # PAB9898

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using HDAC1 polyclonal antibody at 1 ug/mL on HeLa cell extract (20 ug/lane).

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of HDAC1.

Immunogen A synthetic peptide corresponding to human HDAC1.

Host Rabbit

Reactivity Human

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage Western Blot (1-5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.08% sodium azide)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot using HDAC1 polyclonal antibody at 1 ug/mL on HeLa cell extract (20 ug/lane).

Gene Info — HDAC1

Entrez GeneID	3065
Gene Name	HDAC1
Gene Alias	DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1
Gene Description	histone deacetylase 1
Omim ID	601241
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000008745 reduced potassium dependency, yeast homolog-like 1

Publication Reference

- [Mapping of key functions of the herpes simplex virus 1 U\(S\)3 protein kinase: the U\(S\)3 protein can form functional heteromultimeric structures derived from overlapping truncated polypeptides.](#)

Poon AP, Roizman B.

Journal of Virology 2007 Feb; 81(4):1980.

Application: WB, Human, U-2 OS cells

- [Molecular mechanisms of transactivation and doxorubicin-mediated repression of survivin gene in cancer cells.](#)

Estève PO, Chin HG, Pradhan S.

The Journal of Biological Chemistry 2007 Jan; 282(4):2615.

Application: ChIP, WB, Human, HCT-116, HEK 293 cells

- [Transcriptional silencing of the death gene BNIP3 by cooperative action of NF-kappaB and histone deacetylase 1 in ventricular myocytes.](#)

Shaw J, Zhang T, Rzesutek M, Yurkova N, Baetz D, Davie JR, Kirshenbaum LA.

Circulation Research 2006 Dec; 99(12):1347.

Application: WB-Tr, Rat, Rat ventricular myocytes

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Cognition Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Mental Status Schedule](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)