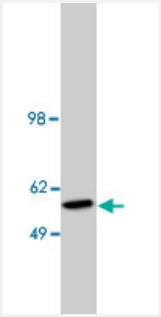
HDAC1 polyclonal antibody

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 shoul d be handled by trained staff only.

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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 histon e deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also in teracts with retinoblastoma tumor-suppressor protein and this complex is a key element in the con trol of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deac etylates 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

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- 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, Rzeszutek 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

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