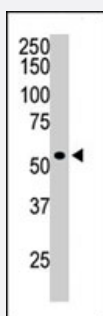


HDAC1 polyclonal antibody

Catalog # PAB2325

Size 400 uL

Applications



Western Blot (Cell lysate)

The HDAC1 polyclonal antibody (Cat # PAB2325) is used in Western blot to detect HDAC1 in ZR-75-1 cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HDAC1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human HDAC1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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)

The HDAC1 polyclonal antibody (Cat # PAB2325) is used in Western blot to detect HDAC1 in ZR-75-1 cell lysate.

Gene Info — HDAC1

Entrez GeneID [3065](#)

Protein Accession# [Q13547](#)

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

- [Histone deacetylase 1 represses the small GTPase RhoB expression in human nonsmall lung carcinoma cell line.](#)

Wang S, Yan-Neale Y, Fischer D, Zeremski M, Cai R, Zhu J, Asselbergs F, Hampton G, Cohen D.

Oncogene 2003 Sep; 22(40):6204.

Application: ChIP, WB-Tr, Human, H1299 cells

- [Che-1 arrests human colon carcinoma cell proliferation by displacing HDAC1 from the p21WAF1/CIP1 promoter.](#)

Di Padova M, Bruno T, De Nicola F, Iezzi S, D'Angelo C, Gallo R, Nicosia D, Corbi N, Biroccio A, Floridi A, Passananti C, Fanciulli M.

The Journal of Biological Chemistry 2003 Sep; 278(38):36496.

Application: WB-Tr, Human, HCT116 cells

- [MLL repression domain interacts with histone deacetylases, the polycomb group proteins HPC2 and BMI-1, and the corepressor C-terminal-binding protein.](#)

Xia ZB, Anderson M, Diaz MO, Zeleznik-Le NJ.

PNAS 2003 Jul; 100(14):8342.

Application: WB-Tr, Human, HEK 293T cells

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](#)