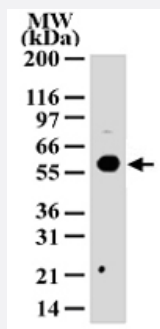


HDAC1 polyclonal antibody

Catalog # PAB0180

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HDAC1 in 293 cell lysate with HDAC1 polyclonal antibody (Cat # PAB0180) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HDAC1.
Immunogen	A mixture of synthetic peptides corresponding to amino acids 1-5, 433-448 and 467-482 of human HDAC1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% 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)

Western blot analysis of HDAC1 in 293 cell lysate with HDAC1 polyclonal antibody (Cat # PAB0180) .

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

- [HDAC4 promotes growth of colon cancer cells via repression of p21.](#)

Wilson AJ, Byun DS, Nasser S, Murray LB, Ayyanar K, Arango D, Figueroa M, Melnick A, Kao GD, Augenlicht LH, Mariadason JM.

Molecular Biology of the Cell 2008 Jul; 19(10):4062.

- [Histone deacetylase 3 \(HDAC3\) and other class I HDACs regulate colon cell maturation and p21 expression and are deregulated in human colon cancer.](#)

Wilson AJ, Byun DS, Popova N, Murray LB, L'Italien K, Sowa Y, Arango D, Velcich A, Augenlicht LH, Mariadason JM.

The Journal of Biological Chemistry 2006 Mar; 281(19):13548.

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](#)