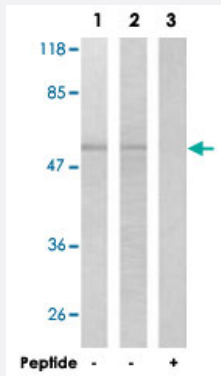


HDAC2 polyclonal antibody

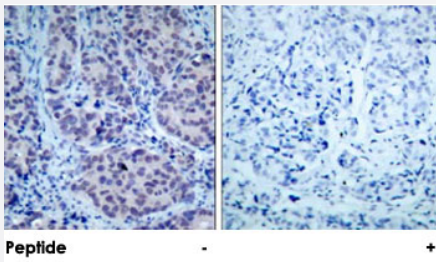
Catalog # PAB18475 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells (Lane 1) and 293 cells (Lane 2 and lane 3) using HDAC2 polyclonal antibody (Cat # PAB18475). Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using HDAC2 polyclonal antibody (Cat # PAB18475). Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HDAC2.
Immunogen	A synthetic peptide corresponding to residues surrounding S394 of human HDAC2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to HDAC2.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% 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 analysis of extracts from HeLa cells (Lane 1) and 293 cells (Lane 2 and lane 3) using HDAC2 polyclonal antibody (Cat # PAB18475).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using HDAC2 polyclonal antibody (Cat # PAB18475).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HDAC2

Entrez GeneID	3066
Protein Accession#	Q92769
Gene Name	HDAC2
Gene Alias	RPD3, YAF1
Gene Description	histone deacetylase 2
Omim ID	605164

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events. [provided by RefSeq]

Other Designations

OTTHUMP00000040427|YY1-associated factor 1|transcriptional regulator homolog RPD3

Publication Reference

- [c-Jun phosphorylation by the human vaccinia-related kinase 1 \(VRK1\) and its cooperation with the N-terminal kinase of c-Jun \(JNK\).](#)

Sevilla A, Santos CR, Barcia R, Vega FM, Lazo PA.

Oncogene 2004 Nov; 23(55):8950.

- [Large-scale characterization of HeLa cell nuclear phosphoproteins.](#)

Beausoleil SA, Jedrychowski M, Schwartz D, Elias JE, Villen J, Li J, Cohn MA, Cantley LC, Gygi SP.

PNAS 2004 Aug; 101(33):12130.

- [Regulation of histone deacetylase 2 by protein kinase CK2.](#)

Tsai SC, Seto E.

The Journal of Biological Chemistry 2002 Aug; 277(35):31826.

Application: IP, WB-Ce, Human, HeLa cells

Pathway

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

Disease

- [ACTH-Secreting Pituitary Adenoma](#)
- [Adenoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)