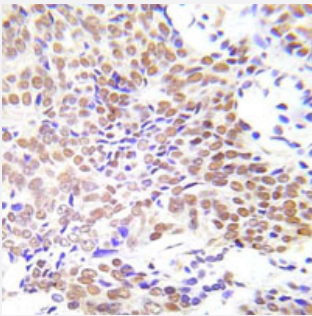


HDAC1 polyclonal antibody

Catalog # PAB17008 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma tissue using HDAC1 polyclonal antibody (Cat # PAB17008)

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HDAC1.
Immunogen	A synthetic peptide corresponding to residues surrounding S421/S423 of human HDAC1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total HDAC1 protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM PBS, 0.15 M NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C for three months. 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma tissue using HDAC1 polyclonal antibody (Cat # PAB17008)

- Enzyme-linked Immunoabsorbent Assay

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

- [A quantitative atlas of mitotic phosphorylation.](#)

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- [Global proteomic profiling of phosphopeptides using electron transfer dissociation tandem mass spectrometry.](#)

Molina H, Horn DM, Tang N, Mathivanan S, Pandey A.

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Pathway

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

Disease

- [Asthma](#)
- [Cognition Disorders](#)
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- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)