

HDAC1 (phospho S421) polyclonal antibody

Catalog # PAB31645

Size 100 uL

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of human HDAC1 (phospho S421).

Immunogen A synthetic peptide corresponding to amino acids 360-440 of human HDAC1 (phospho S421).

Host Rabbit

Reactivity Human, Mouse, Rat

Specificity This antibody detects endogenous levels of HDAC1 protein only when phosphorylated at S421.

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
ELISA (1:5000)
Immunohistochemistry (1:100-300)
Western Blot (1:500-2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (50% glycerol, 0.5% BSA and 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
- Immunohistochemistry

- 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

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](#)