HDAC2 Assay Kit

Catalog # KA0688 Size 1 Kit

Specification

Product Description	HDAC2 Assay Kit is use for measuring the amount of HDAC2.
Regulation Status	For research use only (RUO)
Storage Instruction	Store HB5 and HDAC2 control at -20°C. Store HB1, HB3, HB4, HB6 and 8 well strips at 4°C away fr om light. Store all other components at room temperature.

Applications

- Quantification

Gene Info — HDAC2

Entrez GeneID	3066
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 for mation of large multiprotein complexes and are responsible for the deacetylation of lysine residue s on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms tra nscriptional repressor complexes by associating with many different proteins, including YY1, a ma mmalian 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

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Publication Reference

- Peripheral neutrophils and oxidative stress-associated molecules for predicting the severity of asthma: a cross-sectional study based on multidimensional assessment.

  Ruolin Mao, Zhilong Jiang, Zhihui Min, Gang Wang, Min Xie, Peng Gao, Lei Zhu, Huayin Li, Zhihong Chen.

  Frontiers in medicine 2023 Dec; 10:1240253.

  Application: Qual, Human, Serum

- Role of statins and mevalonate pathway on impaired HDAC2 activity induced by oxidative stress in human airway epithelial cells.

  Matera MG, Calzetta L, Gritti G, Gallo L, Perfetto B, Donnarumma G, Cazzola M, Rogliani P, Donniacuo M, Rinaldi B.

  European Journal of Pharmacology 2018 Aug; 832:114.

  Application: Quant, Human, Nuclear lysate from A549 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

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- Edema
- Genetic Predisposition to Disease
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms

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