



Anti-HDAC1 (full length) polyclonal antibody (DPAB-DC1544)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	HDAC1 (AAH00301, 1 a.a. ~ 482 a.a) full-length recombinant protein with GST tag. The sequence is MAQTQGTRRKVCYYYDGDVGNYYYGQGHPMKPHRIRMTHNLLLNYGLYRKMEIYRPHKAN AEEMTKYHSDDYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFCQLSTGGSVAS AVKLNKQQTDAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKYHQRVLYIDIDIHGG DGVVEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYAVNYPLRDGIDDESIEAI FKPVMKVMEMFQPSAVVLQCGSDSLSGDRLGCFNLTIKGHAKCVEFVKSFNLPMLMLGG GGYTIRNVARCWYETAVALDTEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNTNEYLE KIKQRLFENLRMLPHAPGVQMQAIPEDAIPESGDEDEDDPDK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HDAC1 histone deacetylase 1 [Homo sapiens (human)]
Official Symbol	HDAC1
Synonyms	HDAC1; histone deacetylase 1; HD1; RPD3; GON-10; RPD3L1; reduced potassium dependency, yeast homolog-like 1;
Entrez Gene ID	3065
Protein Refseq	NP_004955
UniProt ID	Q13547
Chromosome Location	1p34
Pathway	Alcoholism; Amphetamine addiction; Androgen receptor signaling pathway; Cell Cycle, Mitotic
Function	NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K18 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific)