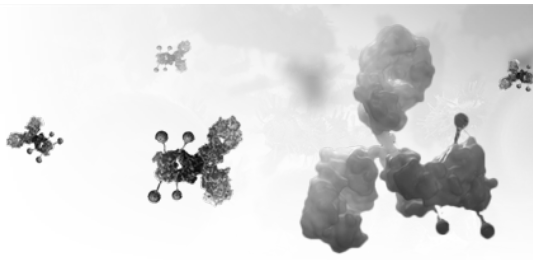

Anti-HDAC1 monoclonal antibody, clone FQS6628(3) (DCABH-4069)

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

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to HDAC1
Antigen Description	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREST-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Deacetylates Lys-310 in RELA and thereby inhibits the transcriptional activity of NF-kappa-B.
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) (N terminal)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	FQS6628(3)
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF, IP
Positive Control	K562, Jurkat, MCF-7 and HeLa cell lysates; Human testis tissue; MCF-7 cells.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Format	Liquid
Size	40 µl
Buffer	Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 0.05% BSA
Storage	Store at -20℃.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	HDAC1 histone deacetylase 1 [Homo sapiens]
Official Symbol	HDAC1
Synonyms	HDAC1; histone deacetylase 1; RPD3L1; GON 10; HD1; reduced potassium dependency, yeast homolog-like 1; RPD3; GON-10; DKFZp686H12203;
Entrez Gene ID	3065
Protein Refseq	NP_004955
UniProt ID	Q13547
Chromosome Location	1p34
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;
Function	NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); RNA polymerase II transcription corepressor activity; activating trans

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