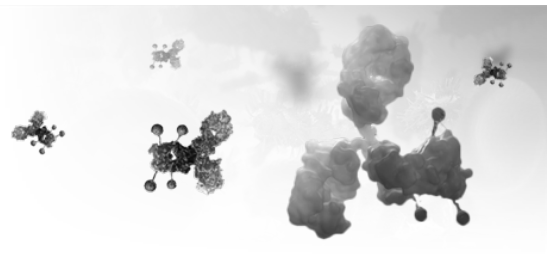

Anti-HDAC7 (aa 737-952) polyclonal antibody (DPABH-00386)

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

PRODUCT INFORMATION

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. Involved in muscle maturation by repressing transcription of myocyte enhancer factors such as MEF2A, MEF2B and MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors (By similarity). May be involved in Epstein-Barr virus (EBV) latency, possibly by repressing the viral BZLF1 gene.
Immunogen	Recombinant fragment, corresponding to a region within C terminal amino acids 737-952 of Human HDAC7 (Uniprot ID: Q8WUI4).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC-P
Format	Liquid
Size	50 µl
Buffer	pH: 7.00; Constituents: 0.75% Glycine, 1.21% Tris, 20% Glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HDAC7 histone deacetylase 7 [Homo sapiens]
Official Symbol	HDAC7
Synonyms	HDAC7; histone deacetylase 7; HDAC7A, histone deacetylase 7A; DKFZP586J0917; HD7; histone deacetylase 7A; HD7A; HDAC7A; FLJ99588; DKFZp586J0917;
Entrez Gene ID	51564
Protein Refseq	NP_001091886
UniProt ID	Q8WUI4
Chromosome Location	12q13.1
Pathway	B Cell Receptor Signaling Pathway; Cell cycle; HIF-1-alpha transcription factor network; MicroRNAs in cardiomyocyte hypertrophy; NOTCH1 Intracellular Domain Regulates Transcription; Regulation of Androgen receptor activity; Signal Transduction
Function	14-3-3 protein binding; NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); activating transcription factor binding; chrom