Datasheet for ABIN7127117

anti-HDAC3 antibody

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Overview

Quantity:	100 µg
Target:	HDAC3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunoprecipitation (IP), Flow Cytometry (FACS), Coating (Coat)

Product Details

Immunogen:	Recombinant full-length human HDAC3 protein
Isotype:	IgG2b
Specificity:	In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (p300/CBP-associated factor), p300/CBP and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated RPD3) and HDAC3, all of which are related to the yeast transcriptional

Product Details

	factor Rpd3p, have been identified as histone deacetylases.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	HDAC3
Alternative Name:	HDAC3 (HDAC3 Products)
Background:	HD3, HDAC 3, HDAC3, HDAC3_HUMAN, Histone deacetylase 3, RPD3 2, RPD3, RPD3-2, SMAP45,Histone Deacetylase 1 (HDAC3) Cellular localisation: Nucleus. Nucleoplasm. Golgi apparatus.
Molecular Weight:	49kDa
Gene ID:	8841, 519632
UniProt:	O15379
Pathways:	Neurotrophin Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Known_Application: ELISA (For coating, order antibody without BSA), ,Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), ,Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa or Jurkat cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-

Handling

	hazardous.
Expiry Date:	24 months