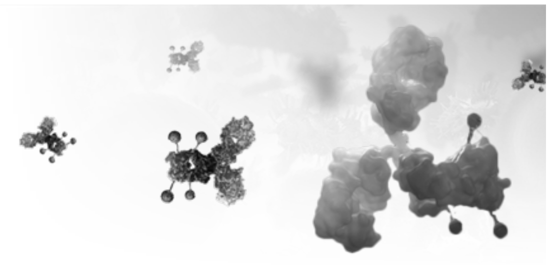
CD Creative Diagnostics®



Rabbit Anti-Human HDAC4 monoclonal antibody, clone TE19-46 (CABT-L793)

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

PRODUCT INFORMATION

Target	HDAC4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TE19-46
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF
Molecular Weight	120 kDa
Cellular Localization	Nucleus, Cytoplasm.
Positive Control	A549, Hela, HepG2.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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, p300/CBP, PCAF (p300/CBPassociated factor), HAT1, and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated RPD3) and HDAC3-6, have been identified as histone deacetylases.
Keywords	AHO3;BDMR;EC 3.5.1.98;HA6116;HD 4;HD4;HDAC 4;HDAC A;HDAC4;HDAC4_HUMAN;HDACA;Histone deacetylase 4;Histone Deacetylase A;KIAA0288 antibody

GENE INFORMATION

Entrez Gene ID	9759
UniProt ID	P56524