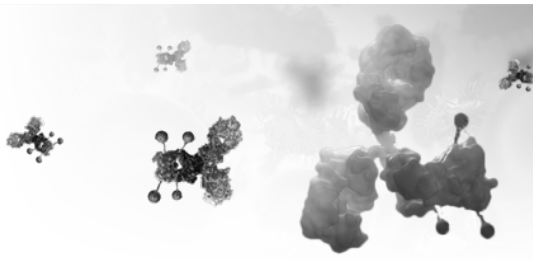

Rabbit Anti-Human HDAC4 monoclonal antibody, clone 25I5M20 (CABT-L1338)

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

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Rat, Pig and Bovine
Target	HDAC4
Immunogen	Peptides corresponding to Human HDAC4 (aa 568-585, 147-163)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Clone	25I5M20
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

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Introduction	Histone deacetylase 4 (HDAC4) is 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. HDAC4 is also involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. It is also involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Mutations to the HDAC4 gene have been found in Brachydactyly-mental retardation syndrome (BDMR).
Keywords	HDAC4;histone deacetylase 4;HD4;AHO3;BDMR;HDACA;HA6116;HDAC-4;HDAC-A;histone deacetylase A

GENE INFORMATION

Entrez Gene ID	9759
UniProt ID	P56524

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