Datasheet for ABIN7180019

anti-HDAC4 antibody (Ser632)

2 Images

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Overview

Quantity:	100 µL
Target:	HDAC4
Binding Specificity:	Ser632
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human HDAC4 around the phosphorylation site of serine 632.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	HDAC4
Alternative Name:	HDAC4 (HDAC4 Products)

Target Details

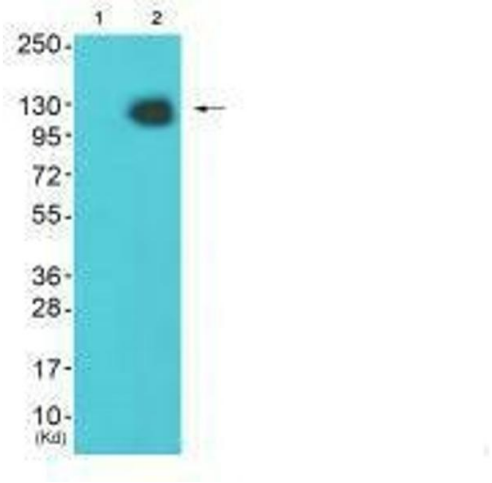
Background:	Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Wang AH, et al. (2000) Mol Cell Biol. 20(18): 6904-6912. Grozinger CM, et al. (2000) Proc Natl Acad Sci U S A. 97(14): 7835-7840. Aliases: AHO3 antibody, BDMR antibody, EC 3.5.1.98 antibody, HA6116 antibody, HD 4 antibody, HD4 antibody, HDAC 4 antibody, HDAC A antibody, HDAC4 antibody, HDAC4_HUMAN antibody, HDACA antibody, Histone deacetylase 4 antibody, Histone Deacetylase A antibody, KIAA0288 antibody
UniProt:	P56524
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB:1:500-1:3000,
Restrictions:	For Research Use only

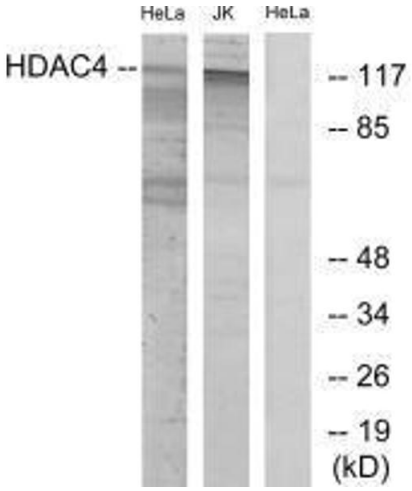
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from Hela cells (Lane 2), using HDAC4 (Ab-632) antiobdy. The lane on the left is treated with synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa/Jurkat cells, using HDAC4 (Ab-632) antibody.