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Datasheet for ABIN7180020
anti-HDAC7 antibody (Ser155)

1 Image

Overview

Quantity:	100 µL
Target:	HDAC7
Binding Specificity:	Ser155
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human HDAC7A around the phosphorylation site of serine 155 (T-V-S(p)-E-P).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	HDAC7
Alternative Name:	HDAC7 (HDAC7 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 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.

Walsh M.J., Submitted (FEB-2000).
Zelent A., Submitted (MAY-2003).
Sugano S., Nat. Genet. 36:40-45(2004).

Aliases: DKFZP586J0917 antibody, FLJ99588 antibody, HD 7a antibody, HD7 antibody, HD7a antibody, HDAC 7 antibody, HDAC 7A antibody, Hdac7 antibody, HDAC7_HUMAN antibody, HDAC7A antibody, Histone deacetylase 7 antibody, Histone deacetylase 7A antibody, OTTHUMP00000202813 antibody, OTTHUMP00000202814 antibody

UniProt: [Q8WUI4](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Skeletal Muscle Fiber Development](#)

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

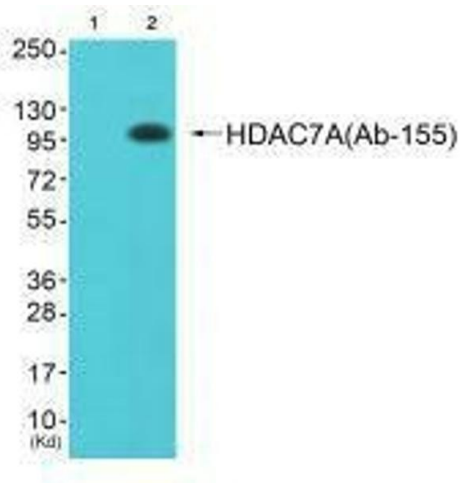
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from JK cells (Lane 2), using HDAC7A (Ab-155) antibody. The lane on the left is treated with synthesized peptide.