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Datasheet for ABIN6241315
anti-HDAC4 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	HDAC4
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Protein
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Target Details

Target:	HDAC4
Alternative Name:	HDAC4 (HDAC4 Products)
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. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast

Target Details

cancer.

UniProt: [P56524](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: IP: 1:500. WB: 1:1000

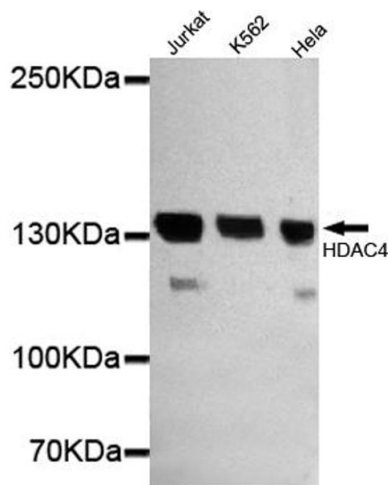
Restrictions: For Research Use only

Handling

Format: Liquid

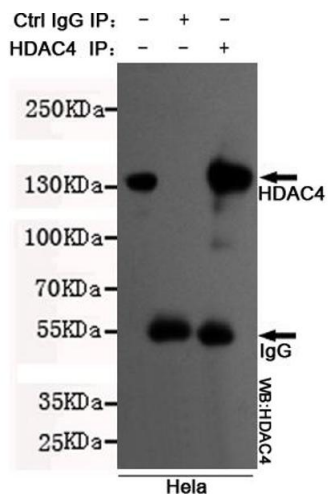
Storage: 4 °C, -20 °C

Images



Western Blotting

Image 1. Western blot detection of HDAC4 in Jurkat, HeLa and K562 cell lysates using HDAC4 mouse mAb (1:1000 diluted). Predicted band size: 140KDa. Observed band size: 140KDa.



Immunoprecipitation

Image 2. Immunoprecipitation analysis of HeLa cell lysates using HDAC4 mouse mAb.