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**Product Name: HDAC4 (4A3) Mouse Monoclonal Antibody****Catalog #: AMM03417**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 119 kDa; Observed MW: 140 kDa

**Antigen Information**

<b>Gene Name</b>	HDAC4
<b>Alternative Names</b>	EC 3.5.1.98; HA6116; HD 4; HD4; HDAC 4; HDAC A; HDAC4; HDAC4_HUMAN; HDACA; Histone Deacetylase 4; Histone Deacetylase A; KIAA0288.
<b>Gene ID</b>	9759
<b>SwissProt ID</b>	P56524
<b>Immunogen</b>	

**Background**

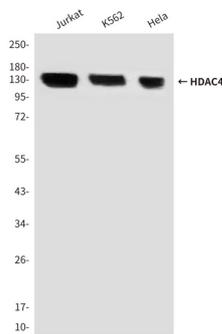
Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone

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.

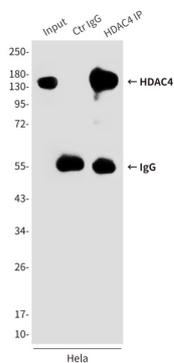
## Research Area

Epigenetics and Nuclear Signaling

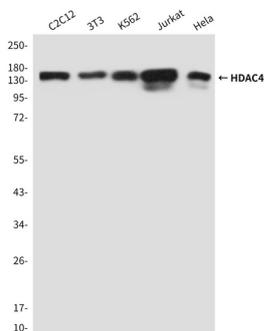
## Image Data



Western blot analysis of HDAC4 in Jurkat, HeLa and K562 lysates using HDAC4 antibody.



Immunoprecipitation analysis of HDAC4 (4A3) in HeLa lysates using HDAC4 antibody.



Western blot analysis of HDAC4 (4A3) in C2C12, 3T3, K562, Jurkat and HeLa lysates using HDAC4 antibody.