

35-1489: Polyclonal Antibody to HDAC4 (Ab-632)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human,Mouse,Rat
Gene :	HDAC4
Gene ID :	9759
Uniprot ID :	P56524
Format :	Purified
Alternative Name :	HD4, Histone deacetylase 4
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa. 630~634 (A-Q-S-S-P) derived from Human HDAC4.

Description

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.

Product Info

Amount :	50 μ l / 100 μ l
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 140kd, Western blotting: 1:500~1:1000, Immunofluorescence: 1:100~1:200

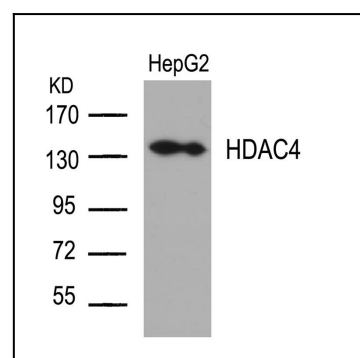


Figure 1: Western blot analysis of extracts from HepG2 cells using HDAC4 (Ab-632) Antibody 35-1489 .

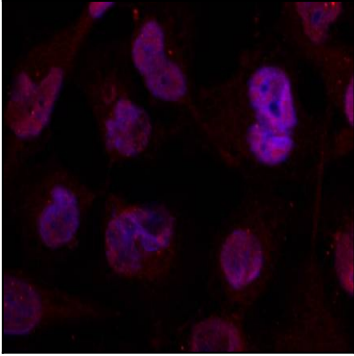


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using HDAC4 (Ab-632) Antibody 35-1489 .