Product Name: HDAC2 (2D9) Mouse Monoclonal Antibody
Catalog #: AMM03658

Summary

Production Name	HDAC2 (2D9) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	HDAC2
Alternative Names	HDAC2; Histone deacetylase 2; HD2
Gene ID	3066
SwissProt ID	Q92769

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200
Molecular Weight	Calculated MW: 55 kDa; Observed MW: 60 kDa

Background

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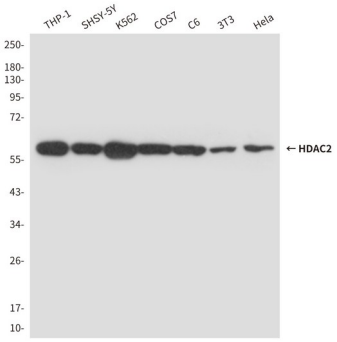
In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA.

Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of HDAC2 in THP-1, SH-SY5Y, K562, COS7, C6, 3T3 and Hela lysates using HDAC2 antibody.

Note

For research use only.