

Anti-HDAC2 (2D9) Mouse Monoclonal Antibody

Introduction

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.

Product parameters

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|-------------------|---|
| Alternative Names | HDAC2; Histone deacetylase 2; HD2 |
| Gene ID | 3066 |
| Gene Name | HDAC2 |
| SwissProt ID | Q92769 |
| Host | Mouse |
| Reactivity | Human, Mouse, Rat, Monkey |
| Molecular Weight | Calculated MW: 55 kDa; Observed MW: 60 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG2b |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-11F5A3 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | Purified recombinant human HDAC2 protein fragments expressed in E.coli. |
| Purification | Affinity Purified |
| Buffer System | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Application | WB, ICC/IF |
| Dilution Ratio | WB: 1/500-1/1000 IF: 1/50-1/200 |
| Research Field | Epigenetics and Nuclear Signaling |

| | |
|--------------------|----------------------------------|
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |



Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.



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