



## HDAC2 (2D9) Mouse mAb

db6345 Package : 50μL 100μL

Product Name: HDAC2 (2D9) Mouse mAb

Cat.No.: db6345

Synonyms: HDAC2; Histone deacetylase 2; HD2

Application: WB, ICC/IF

Reactivity: Human, Mouse, Rat, Monkey

Host species: Mouse

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. Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. Interacts in the late S-

phase of DNA-replication with DNMT1 in the other transcriptional repressor complex composed of

DNMT1, DMAP1, PCNA, CAF1. Deacetylates TSHZ3 and regulates its transcriptional repressor

development. May be involved in the transcriptional repression of circadian target genes, such as

activity. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone

deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell

PER1, mediated by CRY1 through histone deacetylation. Involved in MTA1-mediated

transcriptional corepression of TFF1 and CDKN1A.

Immunogen Purified recombinant human HDAC2 protein fragments expressed in E.coli

Gene ID 3066

Swiss Prot Q92769

**Synonyms** HDAC2; Histone deacetylase 2; HD2

**Reactivity** Human, Mouse, Rat, Monkey

Application WB, ICC/IF

Recommended dilution WB: 1:500-1:1000

ICC/IF: 1:50-1:200

Calculated MW 55 kDa

Observed MW 60 kDa

Host species Mouse





**Clonality** Monoclonal

Clonality No. 2D9-F6-G7

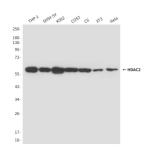
**Isotype** IgG2b

**Purity** Affinity Purification

**Conjugation** Un-conjugated

Storage Stability Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA.

Stable for 12 months from date of receipt.



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