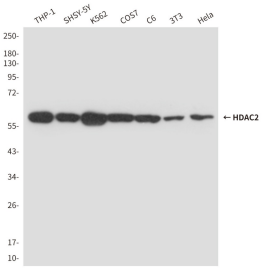
HDAC2 (2D9) Mouse mAb

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