

Product Datasheet

HDAC2 (2D9) Mouse mAb

Catalog No: AB3392

Reactivity: Human,Mouse,Rat,Monkey

Isotype: Mouse IgG2b

Applications: WB,ICC/IF



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Information

UniProt ID: Q92769

All Names: HD2; RPD3; YAF1;HDAC2.

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

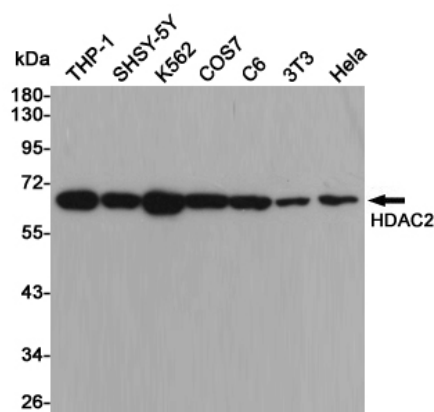
Molecular Wt.: 60kDa

Application

WB 1:500-1:1000

Background

Swiss-Prot Acc.Q92769.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.



Western blot detection of HDAC2 in THP-1,SHSY-5Y,K562,COS7,C6,3T3 and Hela cell lysates using HDAC2 mouse mAb(dilution 1:1000).Predicted band size:60kDa.Observed band size:60kDa.

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