

Product datasheet for **TA328156**

HDAC2 Mouse Monoclonal Antibody [Clone ID: 1194CT18.5.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1194CT18.5.1
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This HDAC2 antibody is generated from a mouse immunized with a recombinant protein between 202-488 amino acids from the Central region of human HDAC2.
Formulation:	PBS with 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone deacetylase 2
Database Link:	NP_001518 Entrez Gene 3066 Human Q92769



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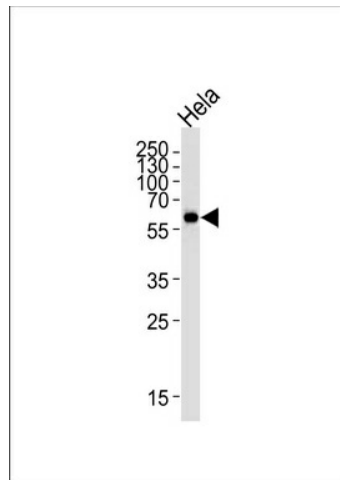
Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone 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.

Synonyms: HD2; RPD3; YAF1

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Cell cycle, Chronic myeloid leukemia, Huntington's disease, Notch signaling pathway, Pathways in cancer

Product images:



HDAC2 Antibody (Center) (Cat.# TA328156) western blot analysis in HeLa cell lysate (35ug/lane). This demonstrates that the HDAC2 antibody detected HDAC2 protein (arrow).