

DATASHEET
Histone Deacetylase 2 Mouse Monoclonal Antibody(C3963)
CAT. NO. AMA03575
KEY FEATURES

Target	Histone Deacetylase 2	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Histone deacetylase that catalyzes 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. 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. Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to Histone Deacetylase 2
Specificity	Recognizes endogenous levels of Histone Deacetylase 2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Histone Deacetylase 2. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 55 kD; Observed: 60 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Histone deacetylase 2; HD2
Gene Symbol	HDAC2
Entrez Gene	3066(Human)
SwissProt	Q92769(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

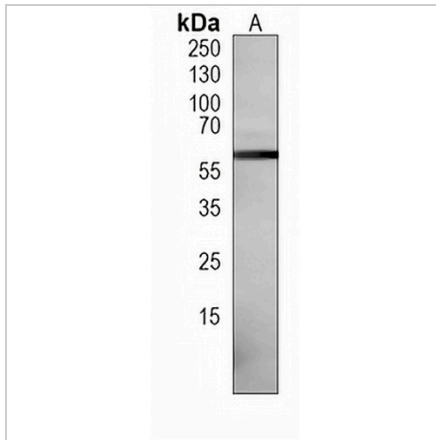
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Western blot analysis of Histone Deacetylase 2 expression in HeLa (A) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 60 kD)



Western blot analysis of Histone Deacetylase 2 expression in wild type (WT) and knockdown (KD) HAP1 cell lysates.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.