

**DATASHEET**

**Histone Deacetylase 2 Mouse Monoclonal Antibody(C3466)**

CAT. NO. AMA03078

**KEY FEATURES**

Target	Histone Deacetylase 2	Source / Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey	Clonality	Monoclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.	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
IF/ICC	1:50 - 1:100

\*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	Purified recombinant human HDAC2 protein fragments expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 55 kD; Observed: 60 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	Histone deacetylase 2; HD2
Gene Symbol	HDAC2
Entrez Gene	3066(Human); 15182(Mouse)
SwissProt	Q92769(Human); P70288(Mouse)

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

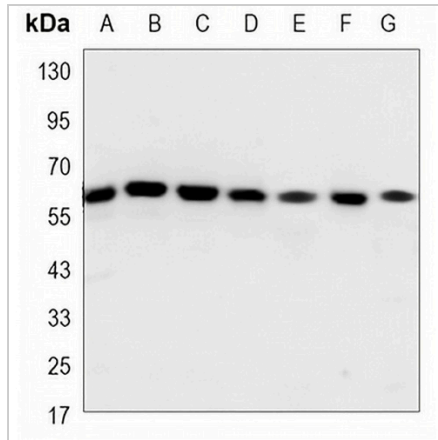
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Western blot analysis of Histone Deacetylase 2 expression in THP1 (A), SHSY5Y (B), K562 (C), COS7 (D), C6 (E), NIH3T3 (F), HeLa (G) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 60 kD)

**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.