



Product Information Sheet

Polyclonal Anti- Histone deacetylase 1, *HDAC1*

Catalogue No. PA1349

Lot No. 01310120449124

Ig type rabbit IgG

Size 100µg/vial

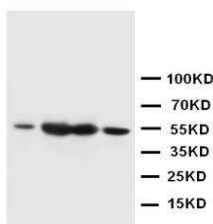
Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Recommended application

Western blot



Lane 1 : MM453 Whole Cell Lysate
Lane 2 : MCF-7 Whole Cell Lysate
Lane 3 : HeLa Whole Cell Lysate
Lane 4 : SMMC Whole Cell Lysate

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human HDAC1 (1-14 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat, Ms	-	-
IHC-P	-	-	-	-
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

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BACKGROUND

Histone deacetylase 1 is an enzyme that in humans is encoded by the *HDAC1* gene. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. Furukawa et al. (1996) mapped RPD3L1 to 1p34.1 by fluorescence in situ hybridization.

REFERENCE

1. Taunton J, Hassig CA, Schreiber SL (May 1996). "A mammalian histone deacetylase related to the yeast transcriptional regulator Rpd3p".