Product Information Sheet

Polyclonal Anti- Histone deacetylase 2,*HDAC2*

Catalogue No. PA1350

Lot No. 01310120250124

Ig type rabbit IgG

Size 100µg/vial

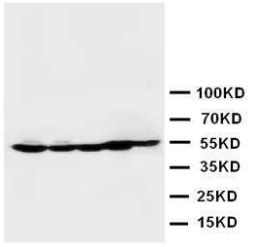
Specificity

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
Lane 5 : CoLo320 Whole Cell Lysate

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human HDAC2 (464-478 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concen-tration	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 Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

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 2 is an enzyme that in humans is encoded by the *HDAC2* gene. This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Betz et al. (1998) performed PCR using HDAC2-specific primers to screen a somatic cell hybrid mapping panel. They mapped the HDAC2 gene to human chromosome 6q21, a region of the genome altered in some cancers, including retinoblastoma.

REFERENCE

1. Betz R, Gray SG, Ekstrom C, Larsson C, Ekstrom TJ (Dec 1998). "Human histone deacetylase 2, HDAC2 (Human RPD3), is localized to 6q21 by radiation hybrid mapping".

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