



[Go to Product page](#)

Datasheet for ABIN5539534
anti-HDAC1 antibody (C-Term)

5 Images

Overview

Quantity:	100 µg
Target:	HDAC1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This HDAC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	Histone Deacetylase 1
Sequence:	KPEAKGVKKEE VK
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	HDAC1
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Target Details

Alternative Name:	HDAC1 (HDAC1 Products)
Background:	HDAC1, histone deacetylase 1, DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1 , reduced potassium dependency, yeast homolog-like 1
Gene ID:	3065
NCBI Accession:	NP_004955
Pathways:	Neurotrophin Signaling Pathway , Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Mitotic G1-G1/S Phases , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Negative Regulation of intrinsic apoptotic Signaling , Embryonic Body Morphogenesis

Application Details

Application Notes:	Western Blot: Appox 55 kDa band observed in Human Duodenum and Lymph Node lysates and approx 70 kDa band observed in lysates of cell lines HeLa and NIH3T3 (calculated MW of 55.1 kDa according to Human NP_004955.2 and Mouse NP_032254.1). The observed 70 kDa Peptide ELISA: antibody detection limit dilution 1:4000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the nucleus of NIH3T3 cells. Recommended concentration: 10µg/ml Chromatin Immunoprecipitation: A 3.5-fold increased presence of H3 onto the Human P21 I
Restrictions:	For Research Use only

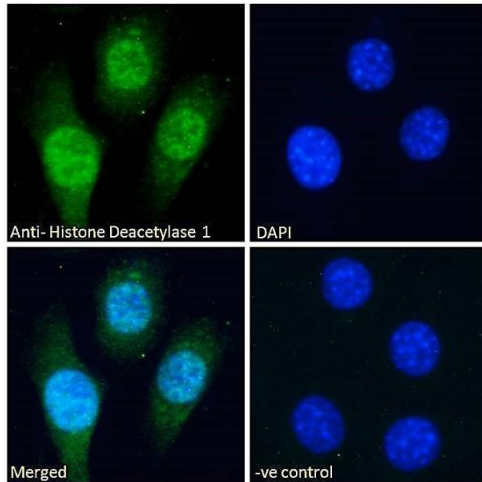
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C

Handling

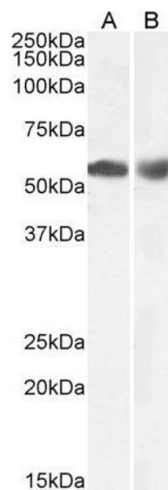
Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



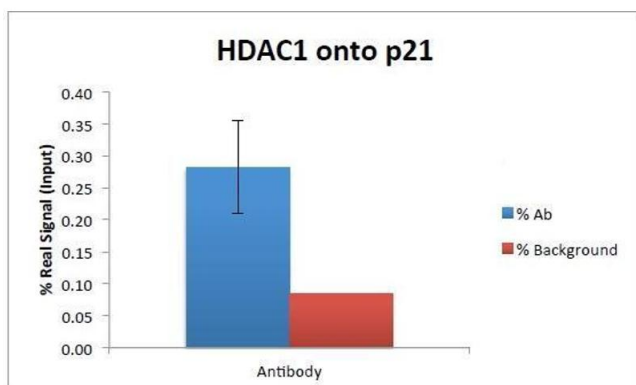
Immunofluorescence

Image 1. ABIN5539534 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Western Blotting

Image 2. ABIN5539534 (0.1µg/ml) staining of Human Duodenum (A) and Lymph Node (B) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Chromatin Immunoprecipitation

Image 3. ChIP of 2ug ABIN5539534 with 1ug MCF7 chromatin using the Chromatrap® spin column sonication kit (Protein G) measuring H3 enrichment onto the p21 locus.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5539534.