antibodies - online.com







anti-HDAC3 antibody (C-Term)





Overview

Quantity:	100 μL
Target:	HDAC3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human HDAC3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	HDAC3
Alternative Name:	HDAC3 (HDAC3 Products)
Background:	Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the

core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. 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. Participates in the BCL6 transcriptional repressor activity by deacetylating the H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1, increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.

Xiaohong Zhang, Genes & Dev., Apr 2005, 19: 827 - 839.

Zhanguo Gao, J. Biol. Chem., Feb 2006, 281: 4540 - 4547. Andrew J. Wilson, J. Biol. Chem., May 2006, 281: 13548 - 13558.

Aliases: HD3 antibody, HDAC 3 antibody, HDAC3 antibody, HDAC3_HUMAN antibody, Histone deacetylase 3 antibody, RPD3 2 antibody, RPD3 antibody, RPD3-2 antibody, SMAP45 antibody

UniProt: 015379

Pathways: Neurotrophin Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha, Regulation of

Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500,
Restrictions:	For Research Use only

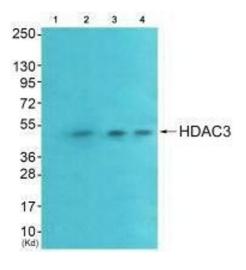
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Storage Comment:

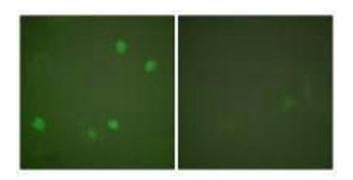
Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



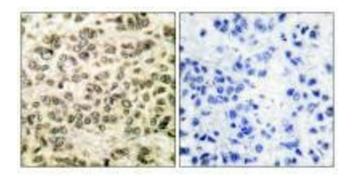
Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells (Lane 2), A549 cells (Lane 3) and HepG2 cells (Lane 4), using HDAC3 antiobdy. The lane on the left is treated with systhesized peptide.



Immunofluorescence

Image 2. Immunofluorescence analysis of COS7 cells, using HDAC3 antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffinembedded human breast carcinoma tissue using HDAC3 antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN7180182.