Datasheet for ABIN7138137

anti-HDAC4/HDAC5/HDAC9 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	HDAC4/HDAC5/HDAC9
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC4/HDAC5/HDAC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA

Product Details

Immunogen:	Peptide sequence around aa.244~248/257~261/218~222 (T-A-S-E-P) derived from Human HDAC4/HDAC5/HDAC9.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	HDAC4/HDAC5/HDAC9
Alternative Name:	HDAC4/HDAC5/HDAC9 (HDAC4/HDAC5/HDAC9 Products)
Background:	Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones

Target Details

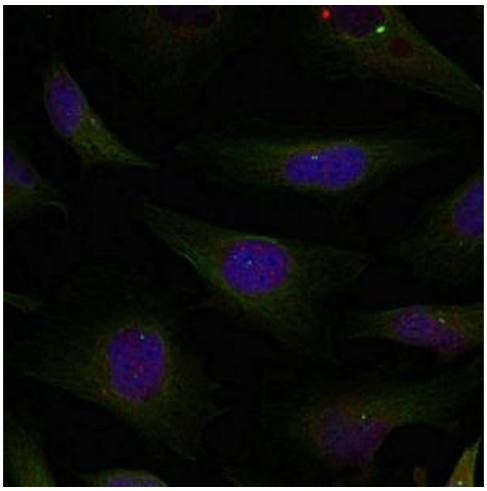
	(H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Cress, W.D. and Seto, E. (2000) J Cell Physiol 184, 1-16. Vigushin, D.M. and Coombes, R.C. (2004) Curr. Cancer Drug Targets 4, 205-218. Marmorstein, R. (2001) Cell Mol Life Sci 58, 693-703. Thiagalingam, S. et al. (2003) Ann. N.Y. Acad. Sci. 983, 84-100. Aliases: HD4/HD5/HD9
UniProt:	P56524, Q9UQL6, Q9UKV0

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:200, IF:1:100-1:200,
Restrictions:	For Research Use only

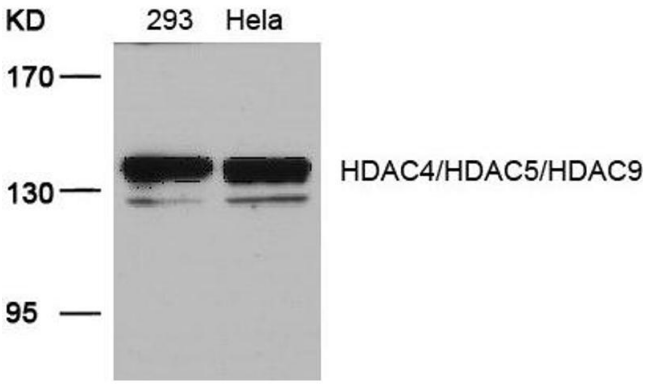
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL 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.



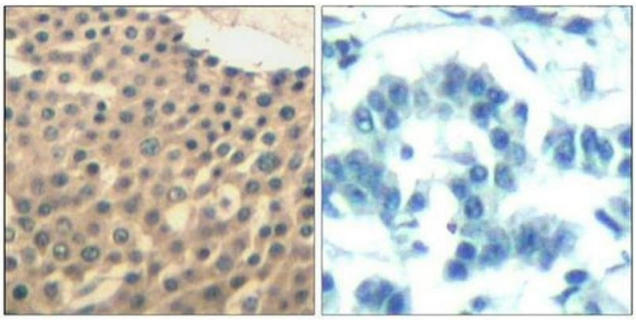
Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed Hela cells using HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from 293 and Hela cells using HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody(left) or the same antibody preincubated with blocking peptide(right).