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Datasheet for ABIN2775576

anti-HDAC9 antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	HDAC9
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Guinea Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HDAC9
Sequence:	QVGAVKVKKEE PVDSDEDAQI QEMESGEQAA FMQQVIGKDL APGFVIKVII
Predicted Reactivity:	Guinea Pig: 100%, Human: 100%, Mouse: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against HDAC9. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	HDAC9
Alternative Name:	HDAC9 (HDAC9 Products)

Target Details

Background: Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. HDAC9 has sequence homology to members of the histone deacetylase family. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. HDAC9 may play a role in hematopoiesis. Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined.

Alias Symbols: DKFZp779K1053, HD7, HDAC, HDAC7, HDAC7B, HDAC9B, HDAC9FL, HDRP, KIAA0744, MITR, HD9, HD7b

Protein Interaction Partner: NOP2, MKI67, EIF6, RCC1, ADAR, TOP1, TMPO, FIP1L1, CCAR2, TPX2, RBM14, ZC3H11A, HDAC9, NUP93, SMC3, H1FX, TPR, HINT1, CTBP1, BCL6, Zfp521, TRIM29, TP53, MAML1, SMARCA4, PARP1, CEBPB, H3F3A, RL2, CAMK1, YWHAE, HDAC1, SFN, MEF2B, ANKRA2, RFXANK, PKD1, SYK,

Protein Size: 590

Molecular Weight: 65 kDa

Gene ID: 9734

NCBI Accession: [NM_014707](#), [NP_055522](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 590 AA

Restrictions: For Research Use only

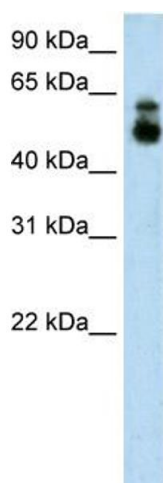
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

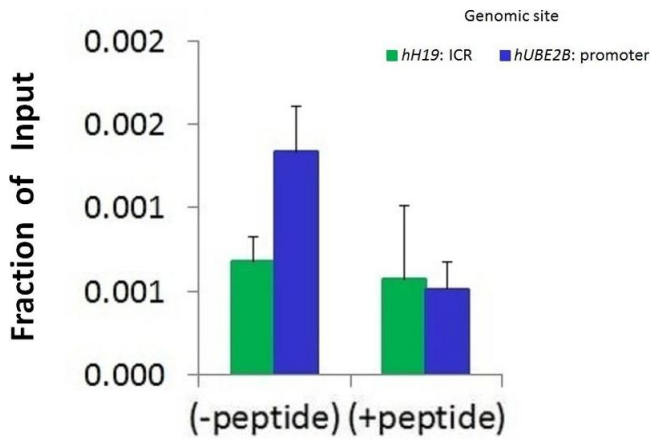
Product cited in: Storrs, Silverstein: "PATJ, a tight junction-associated PDZ protein, is a novel degradation target of high-risk human papillomavirus E6 and the alternatively spliced isoform 18 E6." in: **Journal of virology**, Vol. 81, Issue 8, pp. 4080-90, (2007) ([PubMed](#)).

Images



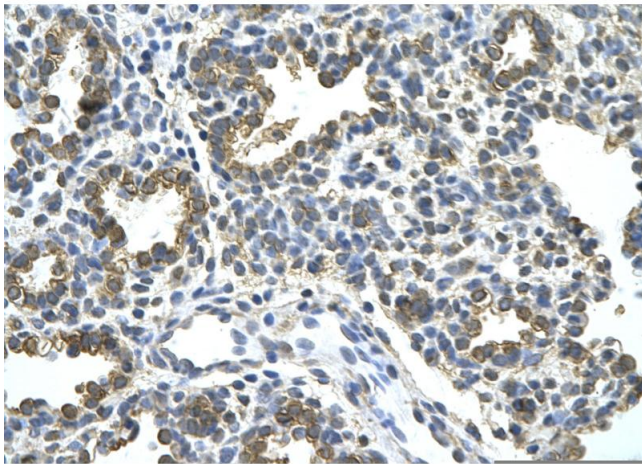
Western Blotting

Image 1. WB Suggested Anti-HDAC9 Antibody Titration: 1.25ug/ml Positive Control: A172 cell lysate HDAC9 is supported by BioGPS gene expression data to be expressed in A172



Chromatin Immunoprecipitation

Image 2. Chromatin Immunoprecipitation (ChIP) Using HDAC9 antibody - C-terminal region and HCT116 Cells



Immunohistochemistry

Image 3. Rabbit Anti-HDAC9 Antibody Paraffin Embedded Tissue: Human alveolar cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2775576.