Datasheet for ABIN630205

anti-HDAC9 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	HDAC9
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	HDAC9 antibody was raised using the C terminal of HDAC9 corresponding to a region with amino acids QVGAVKVKEEPVDSDEDAQIQEMESGEQAAFMQQVIGKDLAPGFVIKVII
Specificity:	HDAC9 antibody was raised against the C terminal of HDAC9
Purification:	Purified

Target Details

Target:	HDAC9
Alternative Name:	HDAC9 (HDAC9 Products)
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

Target Details

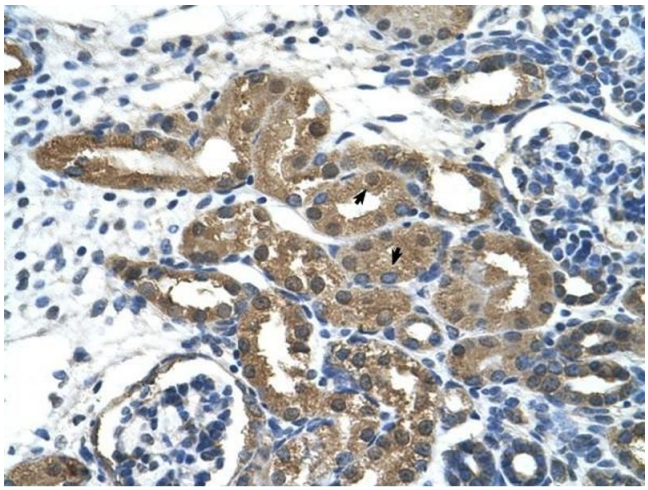
	histone deacetylase family. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. HDAC9 may play a role in hematopoiesis.
Molecular Weight:	65 kDa (MW of target protein)
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB: 1.25 µg/mL, IHC: 4-8 µg/mL Optimal conditions should be determined by the investigator.
Comment:	HDAC9 Blocking Peptide, catalog no. 33R-7773, is also available for use as a blocking control in assays to test for specificity of this HDAC9 antibody
Restrictions:	For Research Use only

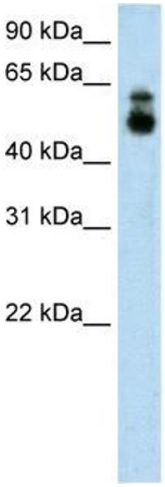
Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of HDAC9 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. HDAC9 antibody was used for immunohistochemistry at a concentration of 2.0 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X



Western Blotting

Image 2. HDAC9 antibody used at 1.25 ug/ml to detect target protein.