

Datasheet for ABIN3022054
anti-HDAC9 antibody (AA 1-100)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	HDAC9
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HDAC9 (NP_478056.1).
Sequence:	MHSMISSVDV KSEVPVGLEP ISPLDLRTDL RMMMPVVDPV VREKQLQQEL LLIQQQQIQ KQLLIAEFQK QHENLTRQHQ AQLQEHKEL LAIKQQQELL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HDAC9
Alternative Name:	HDAC9 (HDAC9 Products)
Background:	<p>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.</p> <p>HDAC9,HD7,HD7b,HD9,HDAC,HDAC7,HDAC7B,HDAC9B,HDAC9FL,HDRP,MITR,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,Immunology & Inflammation,NF-kB Signaling Pathway,Cardiovascular,Heart,Hypertrophy,HDAC9</p>
Molecular Weight:	57-65 kDa/97-117 kDa
Gene ID:	9734
UniProt:	Q9UKV0
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

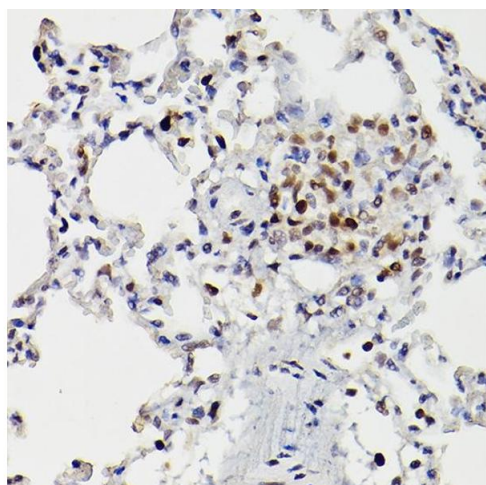
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

Handling

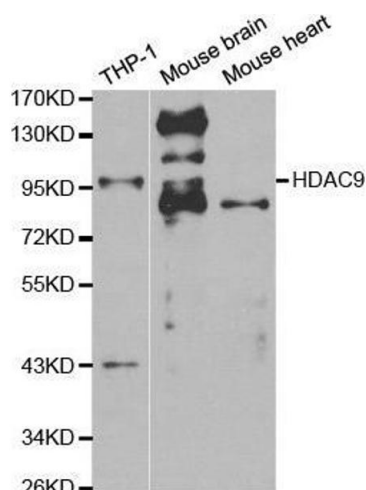
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



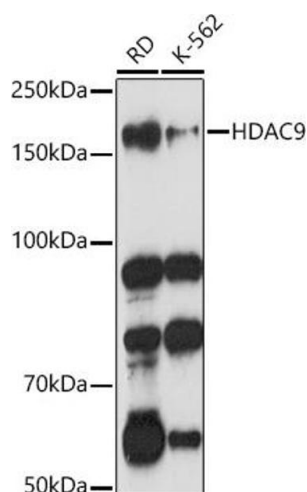
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat lung using HD Rabbit pAb (ABIN3022053, ABIN3022054, ABIN3022055 and ABIN6218586) at dilution of 1:25 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using HDAC9 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using HD antibody (ABIN3022053, ABIN3022054, ABIN3022055 and ABIN6218586) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022054.