



[Go to Product page](#)

Datasheet for ABIN6141669
anti-HDAC4 antibody (AA 451-650)

4 Images

Overview

Quantity:	100 µL
Target:	HDAC4
Binding Specificity:	AA 451-650
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 451-650 of human HDAC4 (NP_006028.2).
Sequence:	PSIHKLRQHR PLGRTQSAPL PQNAQALQHL VIQQHQQFL EKHKQQFQQQ QLQMNKIIPK PSEPARQPES HPEETEEELR EHQALLDEPY LDRLPGQKEA HAQAGVQVKQ EPIESDEEEA EPPREVEPGQ RQPSEQELLF RQQALLLEQQ RIHQRLRNYQA SMEAAGIPVS FGGHRPLSRA QSSPASATFP VSVQEPPTKP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HDAC4
Alternative Name:	HDAC4 (HDAC4 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 belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.,HDAC4,AHO3,BDMR,HA6116,HD4,HDAC-4,HDAC-A,HDACA,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,G1/S Checkpoint,Notch Signaling Pathway,Wnt/β-Catenin Signaling Pathway,Immunology & Inflammation,NF-κB Signaling Pathway,Stem Cells,Cardiovascular,Heart,Hypertrophy,HDAC4</p>
Molecular Weight:	106 kDa/119 kDa
Gene ID:	9759
UniProt:	P56524
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process

Application Details

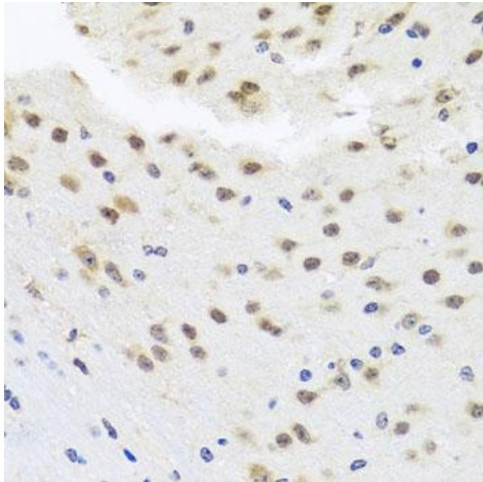
Application Notes:	WB,1:500 - 1:1000,IHC,1:50 - 1:100,IF,1:100 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

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.
Storage:	-20 °C

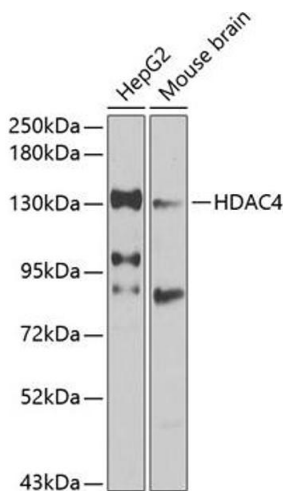
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



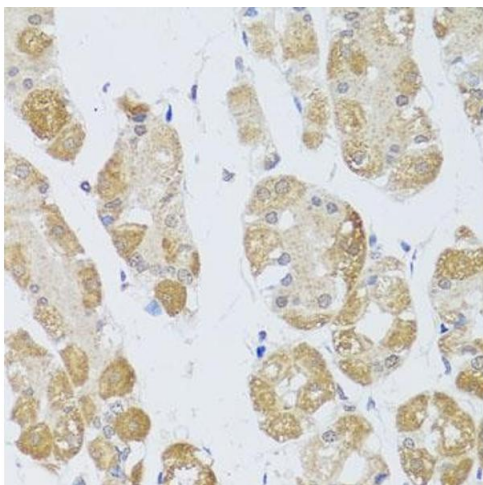
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse brain using HD antibody (ABIN6128012, ABIN6141669, ABIN6141672 and ABIN6213648) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using HD antibody (ABIN6128012, ABIN6141669, ABIN6141672 and ABIN6213648) 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: 30s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human stomach using HD antibody (ABIN6128012, ABIN6141669, ABIN6141672 and ABIN6213648) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6141669.