

Datasheet for ABIN3020757
anti-HDAC4 antibody (AA 530-630)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	HDAC4
Binding Specificity:	AA 530-630
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 530-630 of human HDAC4 (NP_006028.2).
Sequence:	REHQALLDEP YLDRLPGQKE AHAQAGVQVK QEPIESDEEE AEPPREVEPG QRQPSEQELL FRQQALLLEQ QRIHQLRNYQ ASMEAAGIPV SFGGHRPLSR A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HDAC4
Alternative Name:	HDAC4 (HDAC4 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. 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- κ B Signaling Pathway,Stem Cells,Cardiovascular,Heart,Hypertrophy,HDAC4
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 - 1:2000,IP,1:50 - 1:100
Restrictions:	For Research Use only

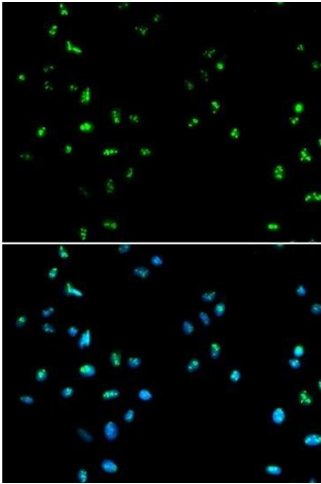
Handling

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

Handling

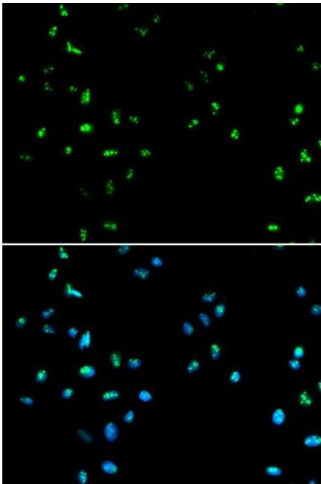
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



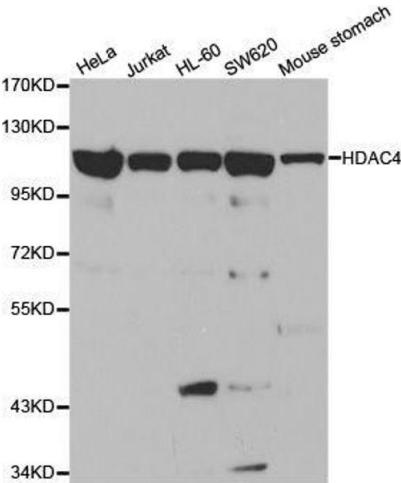
Immunofluorescence

Image 1. Immunofluorescence analysis of A549 cells using HDAC4 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of A549 cell using HDAC4 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using HDAC4 antibody.