

Datasheet for ABIN6141677
anti-HDAC5 antibody (AA 350-450)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	HDAC5
Binding Specificity:	AA 350-450
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human HDAC5 (NP_005465.2).
Sequence:	RALPLDSSPN QFSLYTSPSL PNISLGLQAT VTVTNSHLTA SPKLSTQQEA ERQALQSLRQ GGTLTGKFMS TSSIPGCLLG VALEGDGSPH GHASLLQHVL L
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HDAC5
Alternative Name:	HDAC5 (HDAC5 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 the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.,HDAC5,HD5,NY-CO-9,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-kB Signaling Pathway,Stem Cells,Cardiovascular,Heart,Hypertrophy,HDAC5</p>
Molecular Weight:	112 kDa/121 kDa/122 kDa
Gene ID:	10014
UniProt:	Q9UQL6
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:20 - 1:50
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

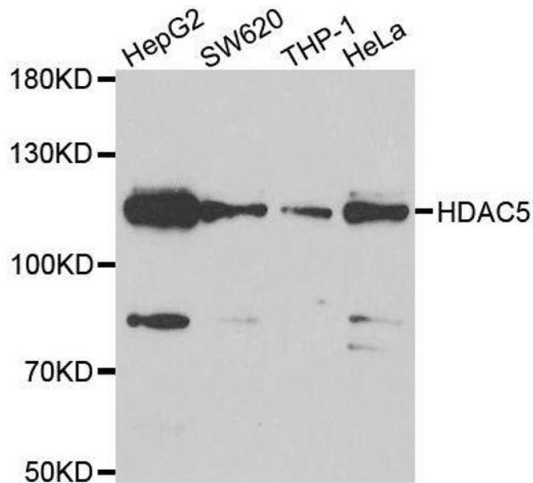
Handling

should be handled by trained staff only.

Storage: -20 °C

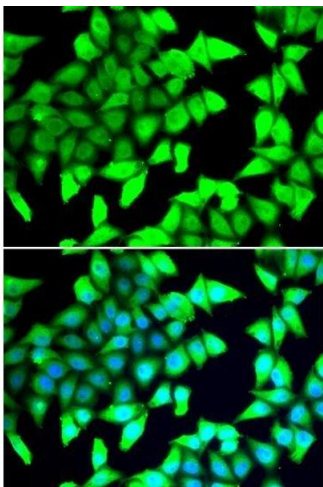
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using HDAC5 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of A549 cells using HDAC5 antibody.