

Datasheet for ABIN6141681
anti-HDAC6 antibody (AA 836-1104)



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3 Images

Overview

Quantity:	100 µL
Target:	HDAC6
Binding Specificity:	AA 836-1104
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 836-1104 of human HDAC6 (NP_006035.2).
Sequence:	VMKVEDREGP SSSKLVTKKA PQPAKPRLAE RMTTREKKVL EAGMGKVTSA SFGEESTPGQ TNSETAVVAL TQDQPSEAAT GGATLAQTIS EAAIGGAMLG QTTSEEAVGG ATPDQTTSEE TVGGAILDQT TSEDAVGGAT LGQTTSEEAV GGATLAQTTS EAAMEGATLD QTTSEEAPGG TELIQTPLAS STDHQTPTS PVQGTTQPIS PSTLIGSLRT LELGSESQGA SESQAPGEEN LLGEAAGGQD MADSMMLMQGS RGLTDQAIF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: HDAC6

Alternative Name: HDAC6 ([HDAC6 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 contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription.,HDAC6,CPBHM,HD6,JM21,PPP1R90,Epigenetics & Nuclear Signaling,Signal Transduction,Cell Biology & Developmental Biology,Autophagy,Cell Cycle,G1/S Checkpoint,Notch Signaling Pathway,Wnt/ β -Catenin Signaling Pathway,Immunology & Inflammation,NF-kB Signaling Pathway,Stem Cells,HDAC6

Molecular Weight: 114 kDa/131 kDa

Gene ID: 10013

UniProt: [Q9UBN7](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,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

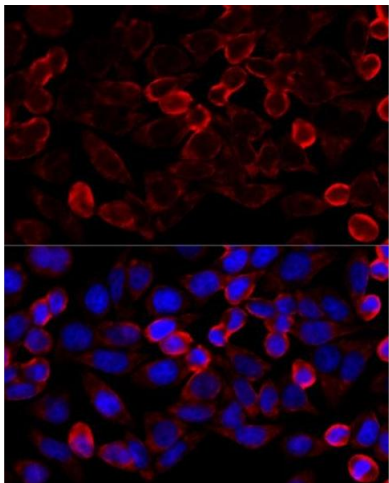
Handling

should be handled by trained staff only.

Storage: -20 °C

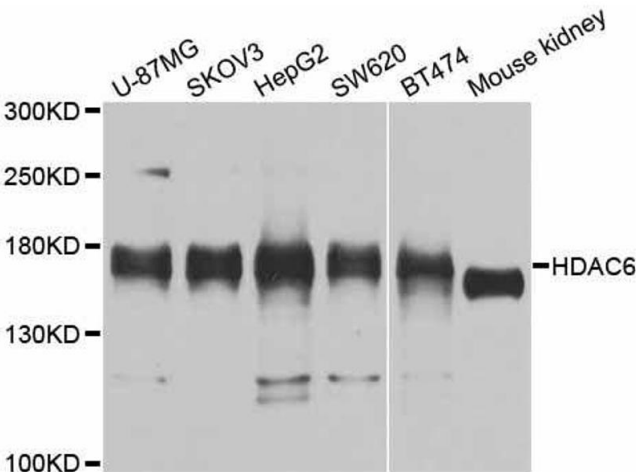
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



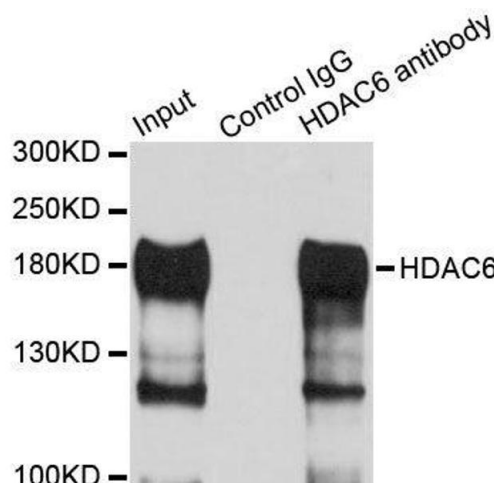
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using HD antibody (ABIN6128054, ABIN6141681, ABIN6141684 and ABIN6215131) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using HDAC6 antibody.



Immunoprecipitation

Image 3. Immunoprecipitation analysis of 100ug extracts of HepG2 cells using 3ug HDAC6 antibody.