

Datasheet for ABIN7267711
anti-HDAC6 antibody

3 Images



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Overview

Quantity:	100 µL
Target:	HDAC6
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HDAC6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	HDAC6 Rabbit mAb
Immunogen:	A synthesized peptide derived from human HDAC6
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
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

Target Details

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. [provided by RefSeq, Jul 2008],CPBHM, HD6, JM21, PPP1R90,Autophagy,Cell Biology & Developmental Biology,Cell Cycle,Epigenetics & Nuclear Signaling,G1/S Checkpoint,Immunology & Inflammation,NF-kB Signaling Pathway,Notch Signaling Pathway,Signal Transduction,Stem Cells,Wnt/ β -Catenin Signaling Pathway,HDAC6

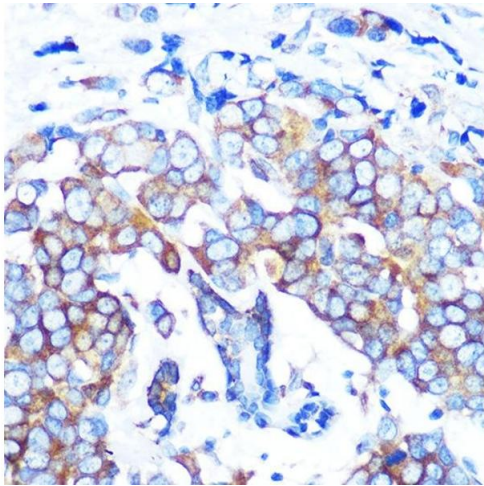
Molecular Weight:	160kDa
Gene ID:	10013
UniProt:	Q9UBN7
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

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

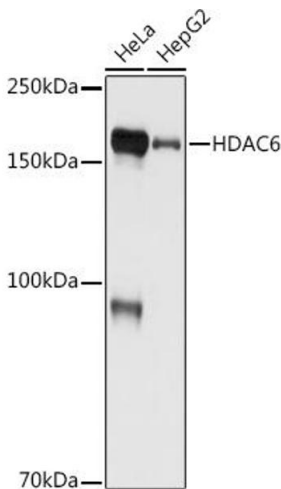
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,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.



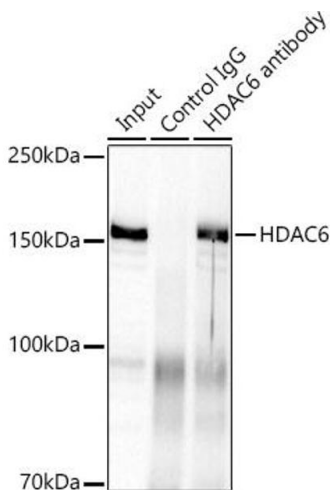
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human breast cancer using HD Rabbit mAb (ABIN7267711) 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 (ABIN7267711) 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: 10s.



Immunoprecipitation

Image 3. Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg HD antibody (ABIN7267711). Western blot was performed from the immunoprecipitate using HD antibody (ABIN7267711) at a dilution of 1:1000.