Datasheet for ABIN7267707

anti-HDAC1 antibody

6 Images

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Overview

Quantity:	100 µL
Target:	HDAC1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HDAC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	[KO Validated] HDAC1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human HDAC1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

Target Details

Target:	HDAC1
Alternative Name:	HDAC1 (HDAC1 Products)

Target Details

Background:	Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq, Jul 2008],GON-10,HD1,RPD3,RPD3L1,HDAC1,Apoptosis,Cardiovascular,Cell Biology & Developmental Biology,Cell Cycle,Epigenetic writers and erasers of core Histones,Epigenetic writers and erasers of core Histones_Deacetylation,Epigenetics & Nuclear Signaling,G1/S Checkpoint,Heart,Heart_Hypertrophy,Immunology & Inflammation,Neurodegenerative Diseases,Neuroscience,NF-kB Signaling Pathway,Notch Signaling Pathway,Nuclear Receptor Signaling,Signal Transduction,Stem Cells,Wnt/β-Catenin Signaling Pathway,HDAC1
Molecular Weight:	55kDa
Gene ID:	3065
UniProt:	Q13547
Pathways:	Neurotrophin Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Mitotic G1-G1/S Phases, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Negative Regulation of intrinsic apoptotic Signaling, Embryonic Body Morphogenesis

Application Details

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

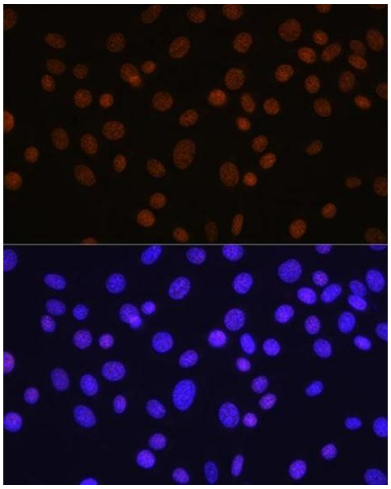
Handling

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

Handling

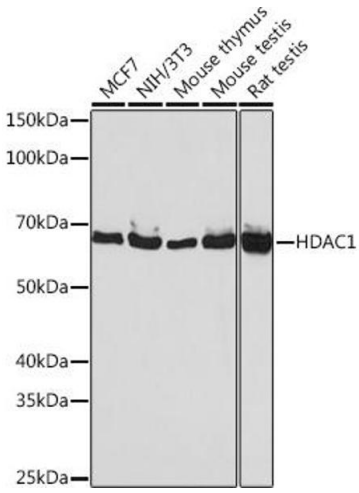
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



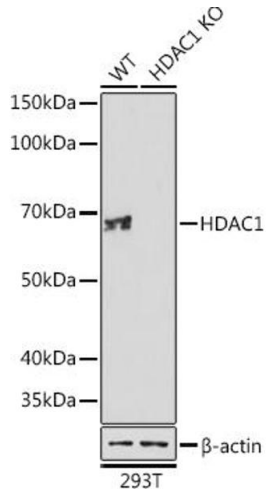
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using HD antibody (ABIN7267707) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using HD antibody (ABIN7267707) 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.



Western Blotting

Image 3. Western blot analysis of extracts from wild type (WT) and HD knockout (KO) 293T cells, using HD antibody (ABIN7267707) 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.

Please check the product details page for more images. Overall 6 images are available for ABIN7267707.