Datasheet for ABIN7155301

anti-HDAC1 antibody (AA 1-482)

6 Images

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Overview

Quantity:	100 µg
Target:	HDAC1
Binding Specificity:	AA 1-482
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant Human Histone deacetylase 1 protein (1-482AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	HDAC1
Alternative Name:	HDAC1 (HDAC1 Products)
Background:	Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the

Target Details

	core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREST-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Deacetylates \\\'Lys-310\\\' in RELA and thereby inhibits the transcriptional activity of NF-kappa-B. Deacetylates NR1D2 and abrogates the effect of KAT5-mediated relieving of NR1D2 transcription repression activity. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development. Involved in CIART-mediated transcriptional repression of the circadian transcriptional activator: CLOCK-ARNTL/BMAL1 heterodimer. Required for the transcriptional repression of circadian target genes, such as PER1, mediated by the large PER complex or CRY1 through histone deacetylation. Aliases: DKFZp686H12203 antibody, GON 10 antibody, HD1 antibody, HDAC 1 antibody, HDAC1 antibody, HDAC1_HUMAN antibody, Histone deacetylase 1 antibody, Reduced potassium dependency yeast homolog like 1 antibody, RPD3 antibody, RPD3L1 antibody
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:	Recommended dilution: IHC:1:20-1:200, IF:1:100-1:500,
Restrictions:	For Research Use only

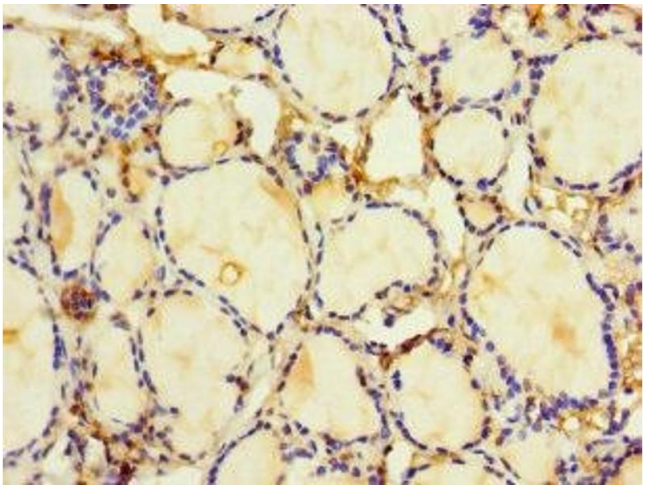
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Handling

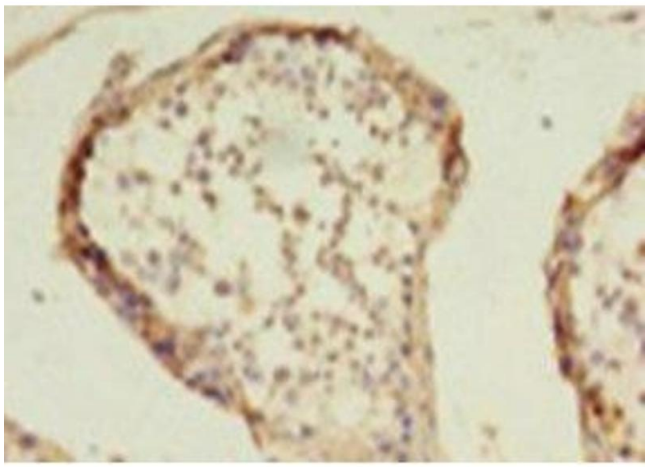
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

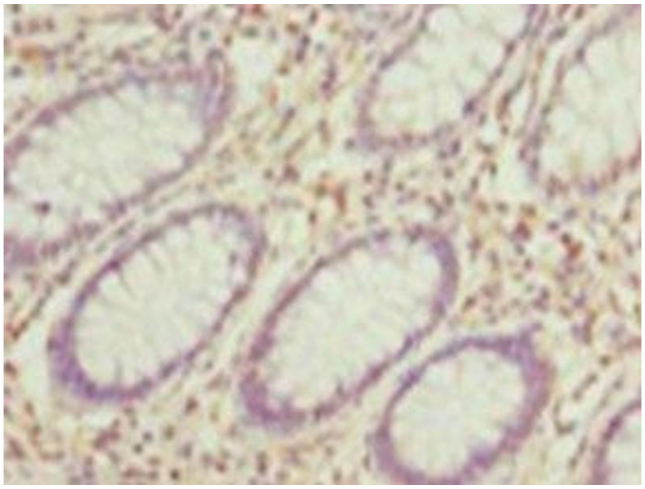
Image 1. Immunohistochemistry of paraffin-embedded human thyroid tissue using ABIN7155301 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7155301 at dilution of 1: 100

Images



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7155301 at dilution of 1: 100

Please check the product details page for more images. Overall 6 images are available for ABIN7155301.