

Datasheet for ABIN653718
anti-HDAC2 antibody (AA 410-439)

4 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	HDAC2
Binding Specificity:	AA 410-439
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This HDAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-439 amino acids from the Central region of human HDAC2.
Clone:	RB24526
Isotype:	Ig Fraction
Predicted Reactivity:	C, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HDAC2
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Target Details

Alternative Name:	HDAC2 (HDAC2 Products)
Background:	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events.
Molecular Weight:	55364
Gene ID:	3066
NCBI Accession:	NP_001518
UniProt:	Q92769
Pathways:	Neurotrophin Signaling Pathway , Regulation of Muscle Cell Differentiation , Negative Regulation of intrinsic apoptotic Signaling , SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

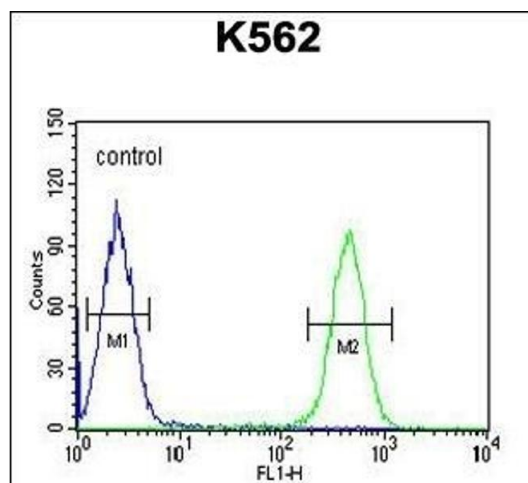
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

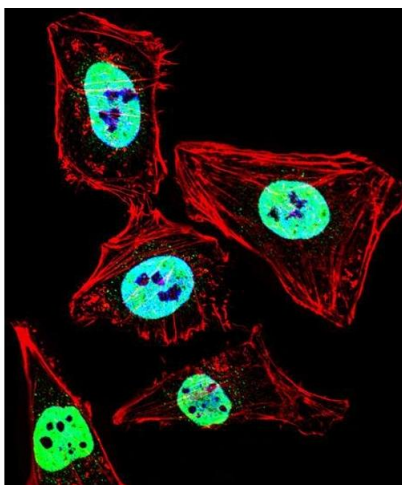
Product cited in: Han, Rha, Chi: "MED25 is a mediator component of HNF4 α -driven transcription leading to insulin secretion in pancreatic beta-cells." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e44007, (2013) ([PubMed](#)).

Images



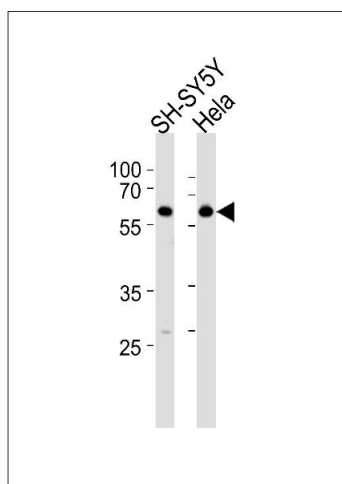
Flow Cytometry

Image 1. HDAC2 Antibody (Center) (ABIN653718 and ABIN2843029) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Fluorescent confocal image of HeLa cell stained with HDAC2 Antibody (Center) (ABIN653718 and ABIN2843029). HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with HDAC2 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). HDAC2 immunoreactivity is localized to Nucleus significantly.



Western Blotting

Image 3. HDAC2 Antibody (Center) (ABIN653718 and ABIN2843029) western blot analysis in SH-SY5Y cell line lysates (35 µg/lane). This demonstrates the HDAC2 antibody detected the HDAC2 protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN653718.