

Datasheet for ABIN5557483

anti-HDAC8 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	HDAC8
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HDAC8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	Recombinant human HDAC8 protein, around N-terminal 150aa.
Clone:	4C3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	HDAC8
Alternative Name:	HDAC8 (HDAC8 Products)
Background:	Synonyms: HD8, WTS, RPD3, CDA07, CDLS5, MRXS6, HDACL1, Histone deacetylase 8, HDAC8

Target Details

Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the 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. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility.

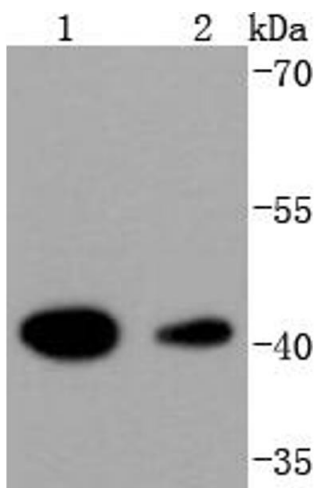
Gene ID:	55869
UniProt:	Q9BY41
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(ICC) 1:50-200
Restrictions:	For Research Use only

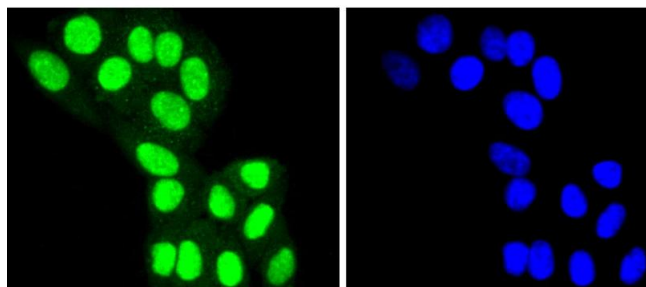
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



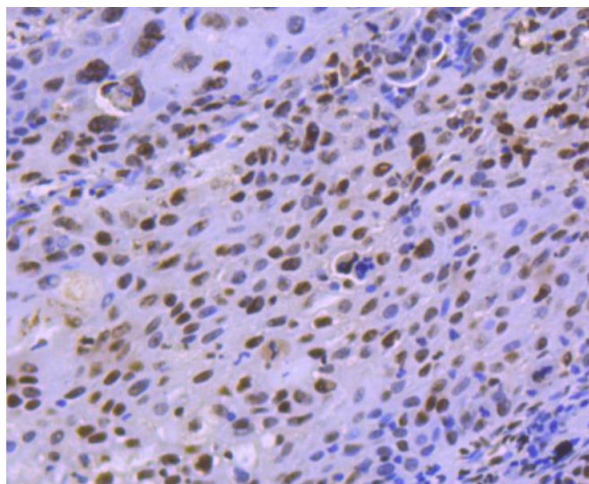
Western Blotting

Image 1. Lane 1: Hela, Lane 2: K562 lysate probed with HDAC8 (4C3) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



Immunofluorescence (Cultured Cells)

Image 2. HepG2 cells were stained with HDAC8 (4C3) Monoclonal Antibody at [1:200] incubated overnight at 4°C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded human lung carcinoma, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal serum) at 37°C for 20min, Antibody incubation with HDAC8 (4C3) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.