Datasheet for ABIN265460

anti-HDAC8 antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	HDAC8
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of HDAC8 protein. (region surrounding Lys33)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Purity:	> 95 % pure by SDS-PAGE

Target Details

Target:	HDAC8
Alternative Name:	HDAC8 (HDAC8 Products)
Background:	In the intact cell, DNA closely associates with histones and other nuclear proteins to form

Target Details

	chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (p300/CBP-associated factor), p300/CBP, HAT1 and the TFIID subunit TAF II p250. Mammalian HDAC8, isolated from human kidney, is a histone deacetylase that shares homology to other HDACs but has different tissue distribution. HDAC8 is localized to the nucleus and plays a role in the development of a broad range of tissues and in the etiology of cancer.Synonyms: CDA07, HD8, HDACL1, Histone deacetylase 8
Molecular Weight:	approx. 45 kDa
Gene ID:	55869
NCBI Accession:	NP_001159890
UniProt:	Q9BY41
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	ELISA: 1: 20000approx. 1: 40000. WB: 1: 500approx. 1: 1000. IHC: 1: 50approx. 1: 200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.2., 15 mM 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.
Handling Advice:	DO NOT FREEZE!

Handling

Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.

Images

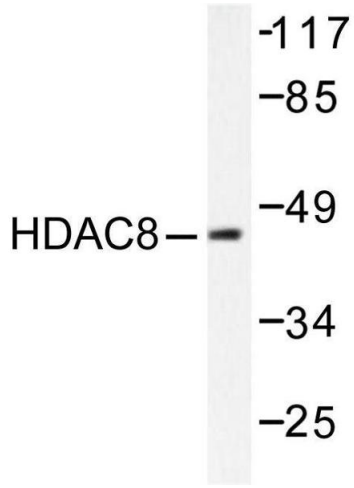

Image 1.

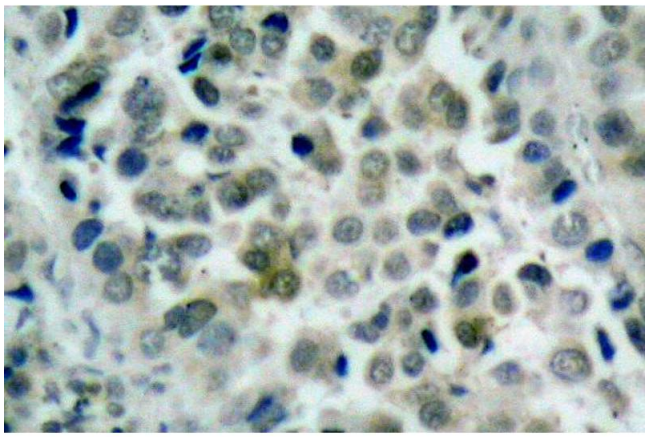

Image 2.