

Datasheet for ABIN7013925
anti-HDAC6 antibody

3 Images



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Overview

Quantity:	100 µg
Target:	HDAC6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC6 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-HDAC6 Purified
Immunogen:	human HDAC6
Clone:	178
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody 178 recognizes zinc finger domain of human histone deacetylase 6 (HDAC6, an intracellular antigen). Crossreactivity with other species was not tested.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	HDAC6
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Target Details

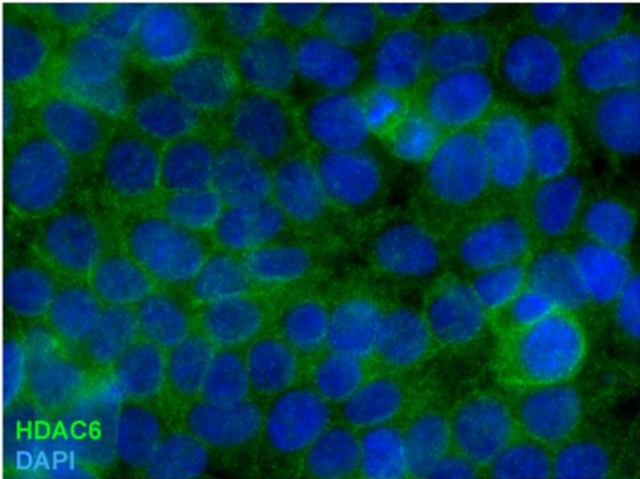
Alternative Name:	HDAC6 (HDAC6 Products)
Background:	Histone deacetylase 6,Histone deacetylase 6 (HDAC6), like other histone deacetylases, affects gene expression by regulation of chromatin remodeling. HDAC6 contains an internal duplication of two catalytic domains which appear to function independently of each other. Besides histones, HDAC6 deacetylates also other substrates including alpha tubulin and HSP90 alpha, and is involved in protein trafficking and degradation, as well as in affecting of cell shape and migration. Deregulation of HDAC6 expression and activity is associated with many diseases.,Histone deacetylase 6
Gene ID:	10013
UniProt:	Q9NSW6
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Application Notes:	Immunocytochemistry: Recommended dilution: 5-10 µg/mL.
Restrictions:	For Research Use only

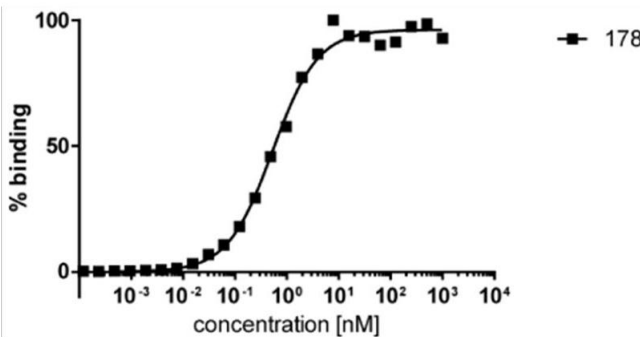
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



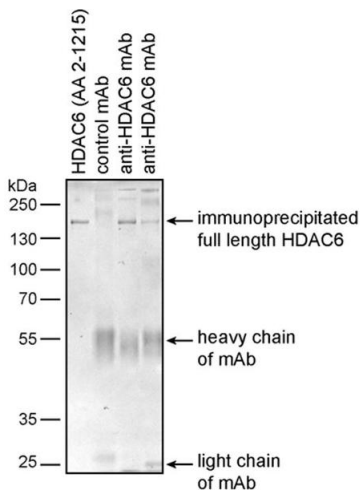
Immunocytochemistry

Image 1. Immunocytochemistry staining of HDAC6 in formaldehyde-fixed and Triton-permeabilized HEK-293T cells by mouse monoclonal antibody 178, followed by anti-mouse Alexa Fluor 488 (green), DNA indicated by DAPI (blue).



ELISA

Image 2. ELISA analysis of human HDAC6 by mouse monoclonal antibody 178. MaxiSorp plate was coated with recombinant human HDAC6, then blocked with BSA, and exposed to dilution series of anti-HDAC6 primary antibody, followed by HRP-conjugated anti-mouse secondary antibody, and colorimetric signal of processed OPD substrate was measured at 492 nm.



Immunoprecipitation

Image 3. Immunoprecipitation of recombinant human HDAC6 by mouse monoclonal antibodies 178 and 236 using protein G-coated Dynabeads. Eluted proteins were processed by SDS PAGE under reducing conditions and visualized by Coomassie Brilliant Blue.