

Datasheet for ABIN7013926

anti-HDAC6 antibody

5 Images

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Overview

Quantity:	0.1 mg
Target:	HDAC6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	human HDAC6
Clone:	236
Isotype:	IgG2b kappa
Specificity:	The mouse monoclonal antibody 236 recognizes D1 domain of human histone deacetylase 6 (HDAC6, intracellular antigen), amino acids 71-91.
No Cross-Reactivity:	Mouse, Zebrafish (Danio rerio)
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	HDAC6
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Target Details

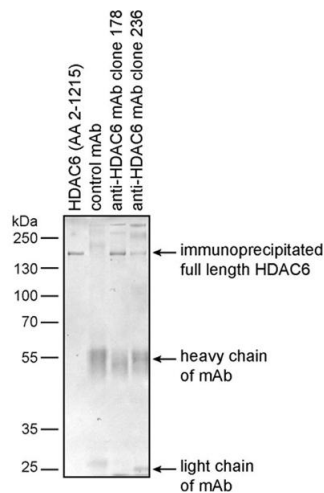
Alternative Name:	HDAC6 (HDAC6 Products)
Background:	Histone deacetylase 6,Histone deacetylase 6 (HDAC6), like other histone deacetylases, affects gene expression by regulation of chromatin remodeling. HDAC6 contains an internal duplication of two catalytic domains which appear to function independently 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:	Western blotting: Recommended dilution: 1-5 µg/mL. Immunocytochemistry: Recommended dilution: 5-10 µg/mL.
Restrictions:	For Research Use only

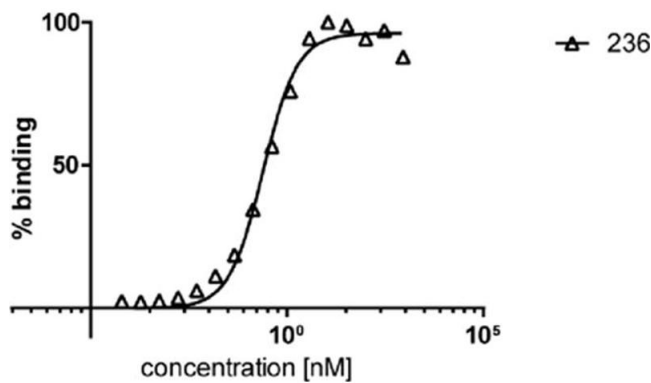
Handling

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.



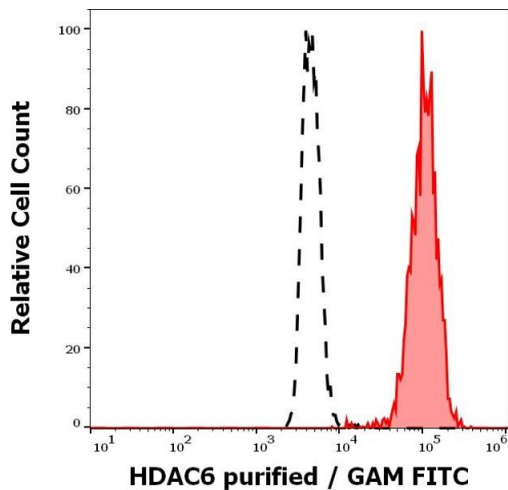
Immunoprecipitation

Image 1. Immunoprecipitation of recombinant human HDAC6 by mouse monoclonal antibodies 178 and 236 using protein G-coated Dynabeads. Eluted proteins were processed by SDS PAAGE under reducing conditions and visualized by Coomassie Brilliant Blue.



ELISA

Image 2. ELISA analysis of human HDAC6 by mouse monoclonal antibody 236. 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.



Flow Cytometry

Image 3. Separation of K562 cells stained using anti-human HDAC6 (236) purified antibody (concentration in sample 5.33 µg/mL, GAM APC, red-filled) from K562 cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7013926.