

## HDAC4 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP03923
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HDAC4. AA range:598-647
<b>Mol wt</b>	119070
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	HDAC4 Antibody
<b>Synonyms</b>	HDAC4; KIAA0288; Histone deacetylase 4; HD4

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. Histone deacetylase 4 encoded by HDAC4 belongs to class II of the histone deacetylase/acuc/alpha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. Histone deacetylase 4 does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.

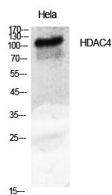
### Recommended Dilution

WB: 1: 500 - 1: 2000

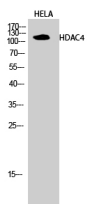
ELISA: 1: 20000

Not yet tested in other applications.

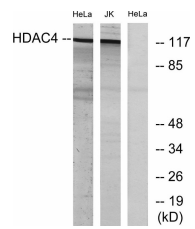
### Images



Western Blot analysis of various cells using HDAC4 Polyclonal Antibody diluted at 1:2000



Western Blot analysis of HELA cells using HDAC4 Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from HeLa and Jurkat cells, using HDAC4 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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