

## Product datasheet for **TA590588**

### HDAC4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	WB: 1:5000-1:20000; ELISA: 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the C Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.96131 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone deacetylase 4
Database Link:	<a href="#">NP_006028</a> <a href="#">Entrez Gene 9759 Human</a> <a href="#">P56524</a>
Background:	Histone deacetylase 4 belongs to the histone deacetylase family type 2 which actively deacetylate the 4 core Histones . HDAC4 possesses two repression domains, one composed of the N-terminal 208 residues and the other consist of a deacetylase domain (1). The N-term will interact with the MADX-box of MEFC2 to negatively regulate expression. Additionally, the deacetylase activity of HDAC4 is subject to negative regulation by its N-terminal domain (2). HDAC4 is also implicated in the regulation of muscle differentiation. During muscle differentiation, HDC4 is shuttled between nuclear and cytoplasmic compartments. Phosphorylation by CAMK4 at S246, S467 and S632 can control HDAC4 subcellular localization (3-4).



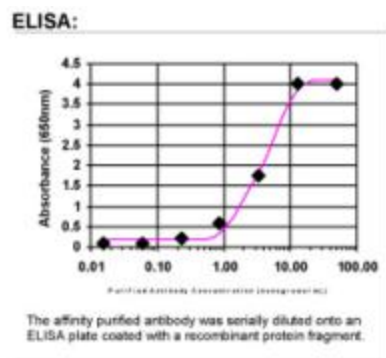
[View online »](#)

**Synonyms:** AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA

**Note:** This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). [Learn about GAT](#)

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



ELISA: HDAC4 Antibody