

## Product datasheet for **TA333209**

### HDAC4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S632 of human HDAC4
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	1084
Gene Name:	histone deacetylase 4
Database Link:	<a href="#">NP_006028</a> <a href="#">Entrez Gene 208727 Mouse</a> <a href="#">Entrez Gene 363287 Rat</a> <a href="#">Entrez Gene 9759 Human</a> <a href="#">P56524</a>
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. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.

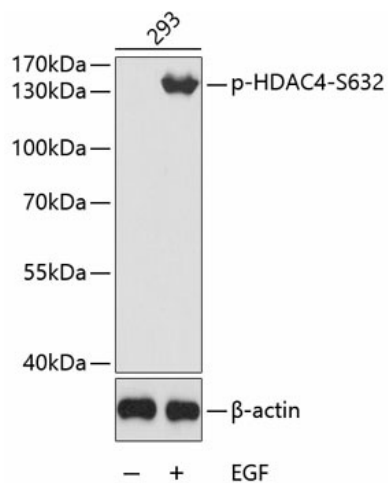


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**Synonyms:** AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA

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

**Product images:**



Western blot analysis of extracts from 293 cells using Phospho-HDAC4-S632 antibody (TA333209). | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA.