

## Product datasheet for **TA332943S**

### HDAC8 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, WB
Recommended Dilution:	WB, 1:500 - 1:1000 IHC-P, 1:50 - 1:200 IF/ICC, 1:50 - 1:200 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42kDa
Gene Name:	histone deacetylase 8
Database Link:	<a href="#">NP_060956</a> <a href="#">Entrez Gene 70315 Mouse</a> <a href="#">Entrez Gene 363481 Rat</a> <a href="#">Entrez Gene 55869 Human</a> <a href="#">Q9BY41</a>



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## 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 I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have been found for this gene.

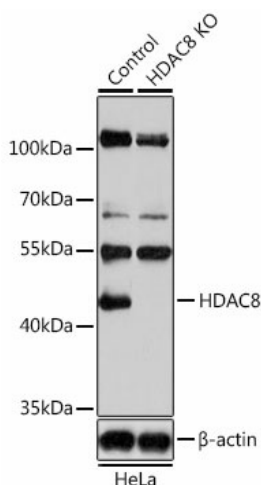
## Synonyms:

CDA07; CDLS5; HD8; HDACL1; MRXS6; RPD3; WTS

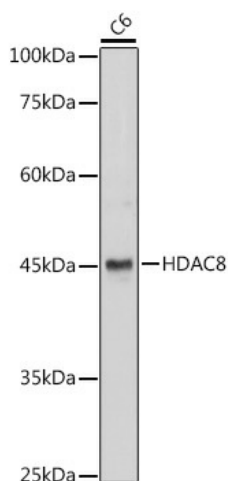
## Protein Families:

Druggable Genome, Transcription Factors

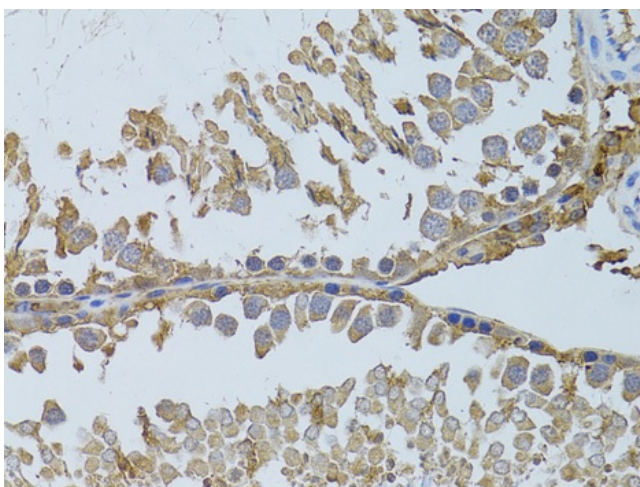
## Product images:



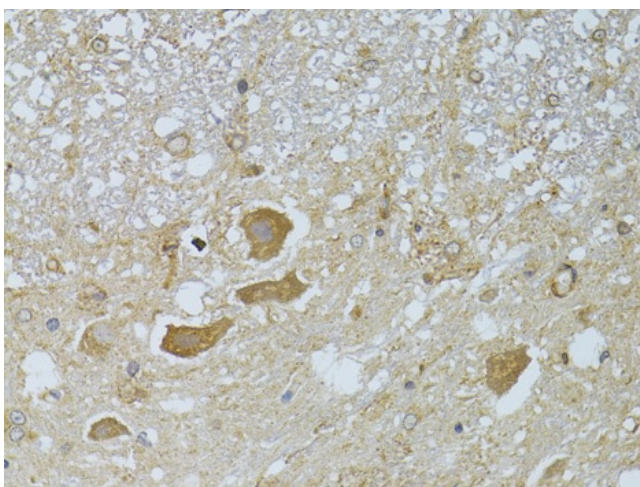
Western blot analysis of lysates from wild type (WT) and HDAC8 knockout (KO) HeLa cells



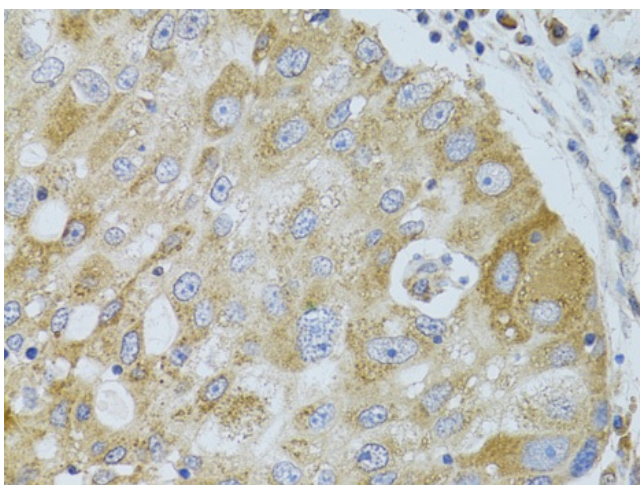
Western blot analysis of lysates from C6 cells



Immunohistochemistry analysis of paraffin-embedded Rat testis using [KO Validated] HDAC8 Rabbit pAb ([TA332943]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spinal cord using [KO Validated] HDAC8 Rabbit pAb ([TA332943]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using [KO Validated] HDAC8 Rabbit pAb ([TA332943]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.