

## Product datasheet for **TA809651AM**

### HDAC8 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1A4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A4
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-243 of human HDAC8 (NP_060956) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41.6 kDa
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:**

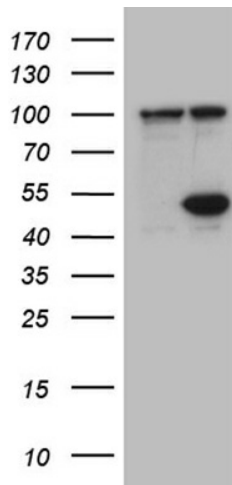
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetylase family. 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. [provided by RefSeq, Oct 2009]

**Synonyms:**

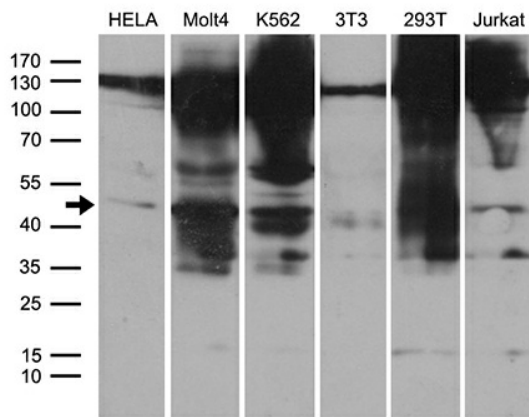
CDA07; CDLS5; HD8; HDACL1; MRXS6; RPD3; WTS

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HDAC8 (Cat# [RC208390], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HDAC8 (Cat# [TA809651])(1:2000). Positive lysates [LY413013] (100ug) and [LC413013] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 6 different cell lines by using anti-HDAC8 monoclonal antibody (1:500).