

## Product datasheet for **TA809667BM**

### HDAC8 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1B2]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI1B2  |
| Applications:           | WB  |
| Recommended Dilution:   | WB 1:2000   |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Mouse   |
| Isotype:                | IgG2b   |
| 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.   |
| Concentration:          | 0.5 mg/ml   |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:            | HRP   |
| 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><br><a href="#">Entrez Gene 70315 Mouse</a> <a href="#">Entrez Gene 363481 Rat</a> <a href="#">Entrez Gene 55869 Human</a><br><a href="#">Q9BY41</a> |



[View online »](#)

**Background:**

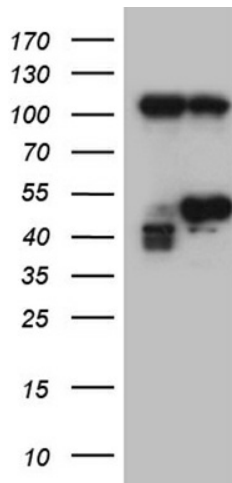
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetylase family. 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 (Left lane) or pCMV6-ENTRY HDAC8 ([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 (1:2000). Positive lysates [LY413013] (100ug) and [LC413013] (20ug) can be purchased separately from OriGene.