

## **Product datasheet for TA346962**

## OriGene Technologies, Inc.

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## HDAC3 Mouse Monoclonal Antibody [Clone ID: 3G3-H6-H10]

## **Product data:**

**Product Type:** Primary Antibodies

Clone Name: 3G3-H6-H10

Applications: WB

Recommended Dilution: WB: 1:1000

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

**Immunogen:** The immunogen for HDAC3 antibody: purified recombinant human HDAC3 protein fragments

expressed in E.coli.

Formulation: ascites

**Conjugation:** Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 49 kDa

**Gene Name:** histone deacetylase 3

Database Link: NP 003874

Entrez Gene 15183 MouseEntrez Gene 84578 RatEntrez Gene 8841 Human

O15379

**Background:** Histones play a critical role in transcriptional regulation, cell cycle progression, and

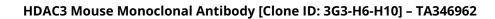
developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of

transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is

regarded as a potential tumor suppressor gene.

**Synonyms:** HD3; RPD3; RPD3-2







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