

## HDAC3 Monoclonal Antibody

### Description

|                                |  |
|--------------------------------|--|
| <b>Product type</b>            | Primary Antibody   |
| <b>Code</b>                    | BT-MCA0667   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | IgG  |
| <b>Size</b>                    | 50ul, 100ul  |
| <b>Immunogen</b>               | Purified recombinant fragment of human HDAC3 (aa224-428) expressed in E. Coli. |
| <b>Mol wt</b>                  | N/A  |
| <b>Species reactivity</b>      | Human  |
| <b>Clonality</b>               | Monoclonal   |
| <b>Recommended application</b> | WB, IF, ICC, ELISA   |
| <b>Concentration</b>           | 1 mg/ml  |
| <b>Full name</b>               | Histone deacetylase 3  |
| <b>Synonyms</b>                | HDAC3; Histone deacetylase 3; HD3; RPD3-2; SMAP45                              |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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.

### Recommended Dilution

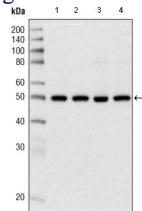
ELISA: 1:10000

IF: 1:200 - 1:1000

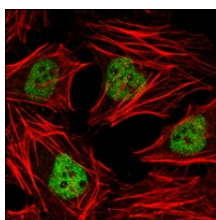
WB: 1:500 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using HDAC3 Monoclonal antibody against HeLa (1) NIH/3T3 (2) C6 (3) and COS (4) cell lysate.



Confocal immunofluorescence analysis of HeLa cells using HDAC3 Monoclonal antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

## Storage

-20°C for one year

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