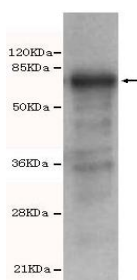




## HDAC3 Antibody

**E220032**

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>        | E220032-1, E220032-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Amount</b>                | 50µg/50µl, 100µg/100µl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>           | Mouse monoclonal IgG to HDAC3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>GeneBank ID</b>           | NP_003874.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>             | Recombinant full length of human HDAC3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reacts with</b>           | Hu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tested applications</b>   | Recommended dilutions. ELISA: 1/5000 - 1/20000. WB: 1/100-1/2000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cellular localization</b> | Nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Relevance</b>             | 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 acetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. 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. |
| <b>Purity</b>                | Protein G-Sepharose affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage buffer</b>        | Preservative: 0.02% Sodium Azide, 50% glycerol, 1% BSA, PBS, pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>                  | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage instructions</b>  | Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



HDAC3 antibody (E220032) at 1/2000 dilution interacts with recombinant HDAC3 protein with a MBP tag. Predicted band size: 80Kda. Observed band size: 80Kda.

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