

## Mouse Monoclonal Antibody to HDAC3

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|--------------------------------|---|
| <b>Catalogue Number</b>        | sAP-0211  |
| <b>Target Molecule</b>         | <b>Name:</b> HDAC3<br><b>Aliases:</b> HD3; RPD3; RPD3-2<br><b>MW:</b> 48.8kDa<br><b>Entrez Gene ID:</b> 8841  |
| <b>Description</b>             | HDAC3: histone deacetylase 3, also known as HD3, RPD3, RPD3-2. Entrez Protein NC_000005. 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. |
| <b>Immunogen</b>               | Purified recombinant fragment of human HDAC3 (aa224-428) expressed in E. Coli.  |
| <b>Reactive Species</b>        | Human   |
| <b>Clone</b>                   | MM7G6C5;  |
| <b>Size and Concentration</b>  | 100µg/1mg/ml  |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.   |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage   |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000  |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)  |
| <b>Reference</b>               | 1. Folia Biol (Praha). 2006;52(1-2):21-33. ; 2. Mol Cell Biol. 2007 Feb;27(4):1280-95. ; 3. Mol Carcinog. 2008 Feb;47(2):137-47.  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**