

## HDAC3 monoclonal antibody

Catalog: MB0035

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

Predicted band size:49KDa

Observed band size:49KDa

### Swiss-Prot:

O15379

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immuno-

gen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000

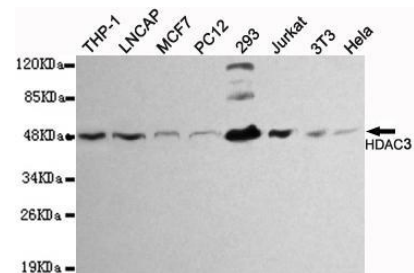
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of HDAC3 and does not cross-react with related proteins

### DATA:



Western blot detection of HDAC3 in THP-1, LNCAP, MCF7, PC12, 293, Jurkat, 3T3&HeLa cell lysates using HDAC3 antibody (1:1000 diluted).

### Note:

For research use only, not for use in diagnostic procedure.

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