

## 35-1828: Polyclonal Antibody to HDAC3

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Rat,Mouse,Human
<b>Gene :</b>	HDAC3
<b>Gene ID :</b>	8841
<b>Uniprot ID :</b>	O15379
<b>Format :</b>	Purified
<b>Alternative Name :</b>	HD3, RPD3, RPD3-2
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.420~424(N-D-K-E-S) derived from Human HDAC3.

### Description

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). 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 Wei L.-N., Hu X., Chandra D., Seto E., Farooqui M.J. Biol.Chem. 275:40782-40787(2000) Li H., Leo C., Zhu J., Wu X., O'Neil J., Park E.-J., Chen J.D.Mol. Cell. Biol. 20:1784-1796(2000)

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 49kd, Western blotting: 1:500~1:1000

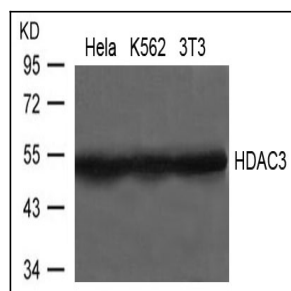


Figure 1: Western blot analysis of extracts from HeLa, K562 and 3T3 cells using HDAC3 Antibody 35-1828 .