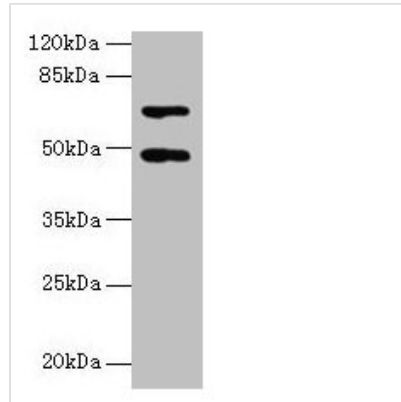




# HDAC3 Antibody

<b>Product Code</b>	CSB-PA010239LA01HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	O15379
<b>Immunogen</b>	Recombinant Human Histone deacetylase 3 protein (1-428AA)
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Tested Applications</b>	ELISA, WB, IHC, IF, ChIP; Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200
<b>Relevance</b>	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. Participates in the BCL6 transcriptional repressor activity by deacetylating the H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression. 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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Alias</b>	Histone deacetylase 3 (HD3) (EC 3.5.1.98) (RPD3-2) (SMAP45), HDAC3
<b>Species</b>	Human
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Target Names</b>	HDAC3
<b>Image</b>	


**Western blot**

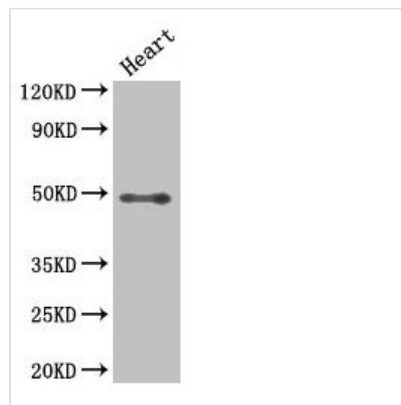
All lanes: HDAC3 antibody at 2 $\mu$ g/ml + HeLa whole cell lysate

**Secondary**

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 49, 50 kDa

Observed band size: 49 kDa


**Western Blot**

Positive WB detected in: Mouse heart tissue

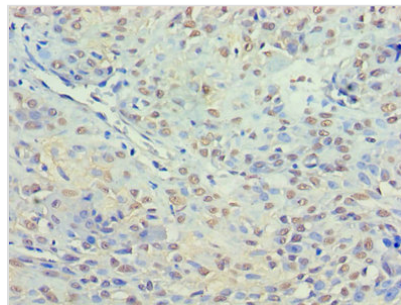
All lanes: HDAC3 antibody at 2.5 $\mu$ g/ml

**Secondary**

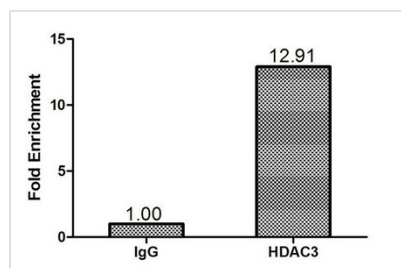
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 49, 50 kDa

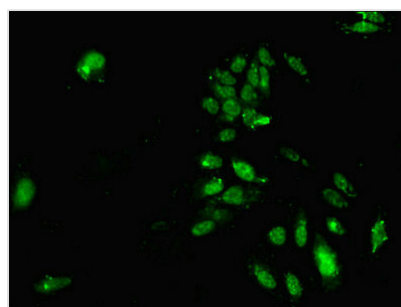
Observed band size: 49 kDa



Immunohistochemistry of paraffin-embedded human breast cancer using CSB-PA010239LA01HU at dilution of 1:100


**Chromatin Immunoprecipitation**

Hela ( $1.2 \times 10^6$ ) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4 $\mu$ g anti-HDAC3 or a control normal rabbit IgG. The resulting ChIP DNA was quantified tissue using real-time PCR with primers (CSB-PP010239HU) against the P21 promoter.



Immunofluorescent analysis of HeLa cells using CSB-PA010239LA01HU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

