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# Histone Deacetylation

National Cancer Institute

## Source

National Cancer Institute. *Histone Deacetylation*. NCI Thesaurus. Code C40580.

Histone Deacetylation is the covalent post-translational enzymatic addition of an acetyl group(s) to a histone protein. By exposing cationic sites on the protein that promote ionic interaction with the negatively charged DNA backbone, Histone Deacetylation induces DNA condensation and regulates genetic functions, such as transcription. (NCI)