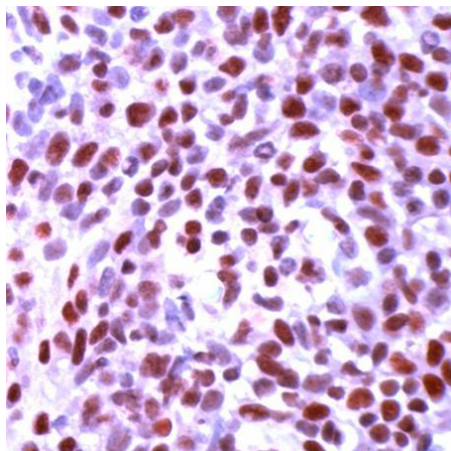


Anti-HDAC1 Antibody, Rabbit Polyclonal

Catalog Number: CB-H201r, 100 µg

Introduction	Histone deacetylase 1 is an enzyme that in humans is encoded by the HDAC1 gene. 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. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREB-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity.
Description	Rabbit polyclonal antibody.
Applications	Western blot and IHC, may be used for other applications.
Immunogen	Synthesized peptide from C-terminal of human HDAC1.
Specificity	Recognizes human HDAC1, other species not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; Stable for at least 6 months from the date of shipment. Non-hazardous. For long-term storage, keep at -20 °C.
Concentration	1 µg/µl.



IHC staining of paraffin embedded tissue sections of human tonsils.