BOSTER BIOLOGICAL TECHNOLOGY
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Anti-HDAC1 Antibody (Monoclonal, 31H07)

Catalog Number: M00256-3

About HDAC1

Histone deacetylase 1 is an enzyme that in humans is encoded by the HDAC1 gene. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. Furukawa et al.(1996) mapped RPD3L1 to 1p34.1 by fluorescence in situ hybridization.

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Overview

Product Name	Anti-HDAC1 Antibody (Monoclonal, 31H07)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-HDAC1 Antibody (Monoclonal, 31H07) catalog # M00256-3. Tested in WB, IHC, IF, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal 31H07
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13547

Technical Details

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Immunogen	Synthetic peptide within human HDAC1 aa 422-458.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunofluorescence, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200 ImmunoPrecipitation, 1:50

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For Research Use Only. Not for use in diagnostic procedures.