HDAC1 Monoclonal Antibody

Catalog No. E-AB-22208

Note: Centrifuge before opening to ensure complete recovery of vial contents.

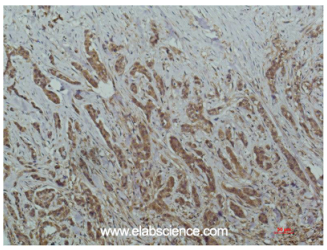
Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide of HDAC1
Host	Mouse
Isotype	IgG
Clone	Clone:4E1
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
IHC	1:100-200

Data

Immunohistochemistry of paraffin-embedded Human colon carcinoma tissue using HDAC1 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue using HDAC1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

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 CREST-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. Deacetylates 'Lys-310' in RELA and thereby inhibits the transcriptional activity of NF-kappa-B.

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