

Anti-HDAC-5 (internal) Antibody

Catalog Number: A01230-2

About HDAC5

HDAC5 is a ubiquitous protein responsible for the deacetylation of lysine residues on the N-terminal part of the core histones. A tag for epigenetic repression, Anti-HDAC5 is an enzyme involved in transcriptional regulation, cell cycle progression and developmental events. HDAC5 is a class II histone deacetylase as defined by its similarities to other members of this class. HDAC5 is a major player in muscle differentiation, acting by repressing transcription of myocyte enhancer MEF2C. During differentiation it moves from the nucleus into the cytoplasm, allowing for myocyte enhancer factor expression. Anti-HDAC5 antibody is ideal for researchers interested in Stem Cell, Cardiovascular, or Epigenetics and Nuclear Signaling research.

Overview

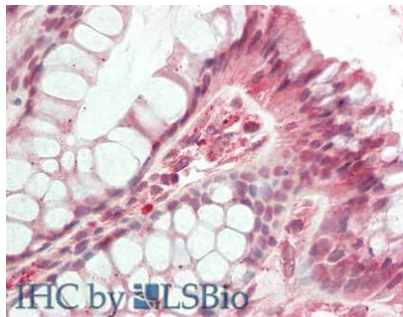
Product Name	Anti-HDAC-5 (internal) Antibody
Reactive Species	Human
Description	Boster Bio Anti-HDAC-5 (internal) Antibody (Catalog # A01230-2). Tested in ELISA, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 30% Glycerol
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q9UQL6

Technical Details

Immunogen	Anti-HDAC5 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region surrounding 325-375aa of human HDAC5 protein.
Predicted Reactive Species	African Green Monkey, Chimpanzee, Zebrafish
Isotype	IgG
Form	Liquid (sterile filtered)

Concentration	1.1 mg/mL by UV absorbance at 280 nm
Purification	Anti-HDAC5 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human and hamster based on 100% sequence homology. Cross-reactivity with HDAC5 from other sources has not been determined.
Suggested Dilutions	ELISA: 1: 10,000 IHC: 5 µg/mL WB: 1ug/ml Anti-HDAC5 antibody tested in ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~122kDa corresponding to the appropriate cell lysate or extract.

Anti-HDAC-5 (internal) Antibody (A01230-2) Images



Immunohistochemistry of Rabbit anti-HDAC5 antibody.
Tissue: Colon. Fixation: formalin fixed paraffin embedded.
Antigen retrieval: not required. Primary antibody: HDAC5 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: HDAC5 as precipitated red signal with hematoxylin purple nuclear counterstain.

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