

Anti-HDAC-2 (C-terminus) Antibody

Catalog Number: A00325

About HDAC2

Histone deacetylase 2 (HDAC2), or transcriptional regulator homolog RPD3 L1, is highly homologous to the yeast transcription factor RPD3 (reduced potassium dependency 3) gene. As in yeast, human HDAC2 is likely to be involved in regulating chromatin structure during transcription. It has been implicated to associate with YY1, a mammalian zinc-finger transcription factor, which negatively regulates transcription by tethering RPD3 to DNA as a cofactor. This process is highly conserved from yeast to human. Anti-HDAC2 antibodies are ideal for researchers interested in Breast Cancer, Cancer, Chromatin Research, Epigenetics, Histone Deacetylases, and Stem Cell Markers research.

Overview

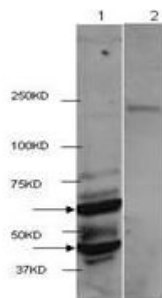
Product Name	Anti-HDAC-2 (C-terminus) Antibody
Reactive Species	Human, Mouse, Rat, Primate
Description	Boster Bio Anti-HDAC-2 (C-terminus) Antibody (Catalog # A00325). Tested in WB applications. This antibody reacts with Human, Mouse, Rat, Primate.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
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 six (6) months from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q92769

Technical Details

Immunogen	HDAC2 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminus region of human HDAC2.
Predicted Reactive Species	Primate
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1 mg/ml by UV absorbance at 280 nm

Purification	Anti-HDAC2 was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific towards HDAC2. A BLAST analysis was used to suggest cross-reactivity with Human, Mouse, Rat, and Primate based on 100% sequence homology. Cross-reactivity with HDAC2 from other sources has not been determined.
Suggested Dilutions	ELISA: 1:20,000 - 1:60,000 IHC: 1:100-1:500 IF Microscopy: 1:100-1:500 WB: 1 µg/ml Anti-HDAC2 antibody is tested for ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~59 kDa corresponding to the appropriate cell lysate or extract.

Anti-HDAC-2 (C-terminus) Antibody (A00325) Images



Western Blot of Rabbit anti-HDAC2 antibody. Lane 1: mouse brain extract. Lane 2: mouse brain extract blocked with peptide. Load: 4 μ g per lane. Primary antibody: HDAC2 antibody at 1 μ g/mL for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 59 kDa for HDAC2. Other band(s): ~45kDa.

1 Publications Citing This Product

1. PubMed ID: 25333250, Chen Xm, Xie Xb, Zhao Q, Wang F, Bai Y, Yin Jq, Jiang H, Xie Xi, Jia Q, Huang G. Mol Med Rep. 2015 Jan;11(1):105-12. Doi: 10.3892/Mmr.2014.2733. Epub 2014 Oct 21. Ampelopsin Induces Apoptosis By Regulating Multiple C-Myc/S-Phase Kinase-Associated ...

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