

Anti-Histone deacetylase 2 HDAC2 Antibody

Catalog Number: A00325-1

About HDAC2

The histone deacetylase (HDAC) family contains multiple members which are divided into four classes. Class I of the HDAC family comprises four members, HDAC1, 2, 3, and 8, each of which contains a deacetylase domain and exhibits a different, individual substrate specificity and function in vivo (1). HDAC2 was first identified as a mammalian homolog to the yeast transcriptional regulator RPD3 (2). HDAC2 forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor (2,3). Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events (4).

Overview

Product Name	Anti-Histone deacetylase 2 HDAC2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Histone deacetylase 2 HDAC2 Antibody (Catalog # A00325-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	HDAC2 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	HDAC2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q92769

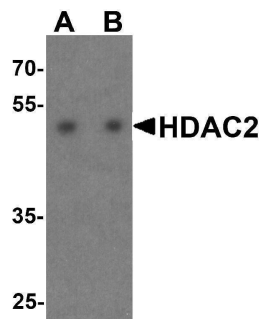
Technical Details

Immunogen	HDAC2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human HDAC2. The immunogen is located within the last 50 amino acids of HDAC2.
Predicted Reactive Species	Chicken
Cross Reactivity	HDAC2 antibody is human, mouse and rat reactive. At least two isoforms of HDAC2 are known to exist; this antibody will detect both isoforms. HDAC2 antibody is predicted to not cross-react with other members of the HDAC family.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	HDAC2 antibody is affinity chromatography purified via peptide column.

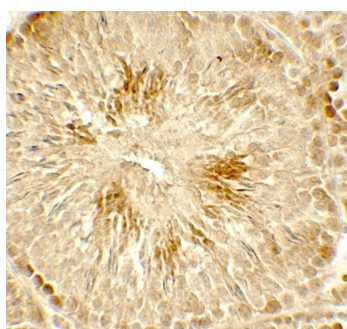
Suggested Dilutions

HDAC2 antibody can be used for detection of HDAC2 by Western blot at 0.5 - 1 ug/ml. Antibody can also be used for Immunohistochemistry at 5 ug/mL. For Immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

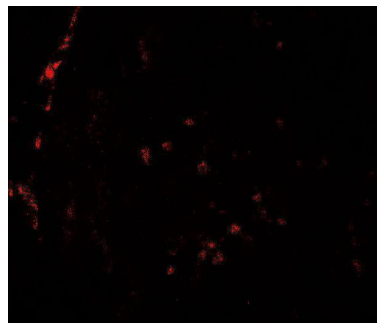
Anti-Histone deacetylase 2 HDAC2 Antibody (A00325-1) Images



Western blot analysis of HDAC2 in HeLa cell lysate with HDAC2 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of HDAC2 in rat testis tissue with HDAC2 antibody at 5 ug/mL.



Immunofluorescence of HDAC2 in rat testis tissue with HDAC2 antibody at 20 ug/mL.

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