

## Anti-Histone deacetylase 10 HDAC10 Antibody

Catalog Number: A05215-1

### About HDAC10

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.

Jenny J. Tong, Nucleic Acids Res., Mar 2002; 30: 1114 - 1123.

Hung-Ying Kao, J. Biol. Chem., Jan 2002; 277: 187 - 193.

Denise D. Fischer, J. Biol. Chem., Feb 2002; 277: 6656 - 6666.

Matthew H. Brush, J. Biol. Chem., Feb 2004; 279: 7685 - 7691.

### Overview

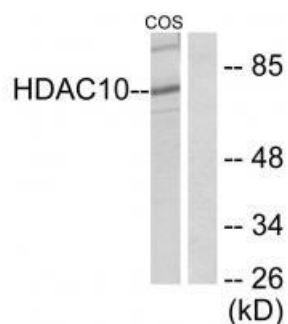
Product Name	Anti-Histone deacetylase 10 HDAC10 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Histone deacetylase 10 HDAC10 Antibody (Catalog # A05215-1). Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
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	Q969S8

### Technical Details

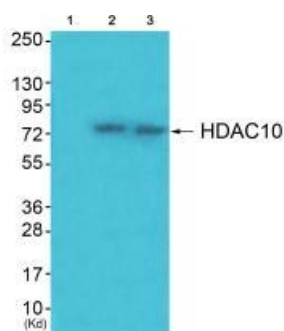
Immunogen	Synthesized peptide derived from human HDAC10.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blotting: 1:500~1:3000</p> <p>Immunohistochemistry: 1:50~1:100</p>

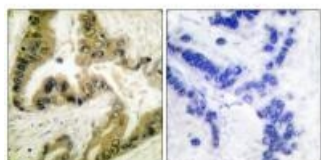
## Anti-Histone deacetylase 10 HDAC10 Antibody (A05215-1) Images



Western blot analysis of extracts from COS7 cells, using HDAC10 antibody A05215-1.



Western blot analysis of extracts from JK cells (Lane 2) and cos-7 cells (Lane 3), using HDAC10 antibody A05215-1. The lane on the left is treated with synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC10 antibody A05215-1.

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