BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-HDAC10 Antibody Picoband®

Catalog Number: A05215-2

About HDAC10

Histone deacetylase 10 is an enzyme that in humans is encoded by the HDAC10 gene. The protein encoded by this gene belongs to the histone deacetylase family, members of which deacetylate lysine residues on the N-terminal part of the core histones. Histone deacetylation modulates chromatin structure, and plays an important role in transcriptional regulation, cell cycle progression, and developmental events. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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Overview

Product Name	Anti-HDAC10 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-HDAC10 Antibody Picoband® catalog # A05215-2. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q969S8

Technical Details

Immunogen	E. coli-derived human HDAC10 recombinant protein (Position: T3-Q290).
Recommended Detection Systems	Boster recommends ECL Plus Western Blotting Substrate (Catalog # AR1196-200) for Western blot.

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Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot,0.1-0.5ug/ml, Human, Mouse, Rat ELISA,0.1-0.5ug/ml, -

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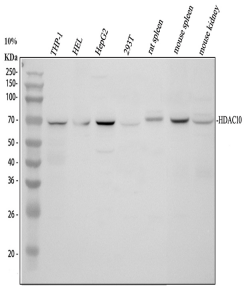
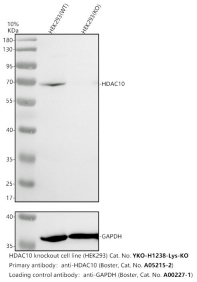
Anti-HDAC10 Antibody Picoband® (A05215-2) Images



Western blot analysis of HDAC10 using anti-HDAC10 antibody (A05215-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human HEL whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human 293T whole cell lysates, Lane 5: rat spleen tissue lysates, Lane 6: mouse spleen tissue lysates, Lane 7: mouse kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HDAC10 antigen affinity purified polyclonal antibody (A05215-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for HDAC10 at approximately 68 kDa. The expected band size for HDAC10 is at 71 kDa.



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For Research Use Only. Not for use in diagnostic procedures.