

Anti-HDDC3 Antibody Picoband®

Catalog Number: A12287-1

About HDDC3

HDDC3, also known as Histone Deacetylase Domain Containing 3, is a gene that encodes a protein with a potential histone deacetylase activity. Proteins in this family are involved in the modification of histones, which can affect gene expression and cellular processes. Although the precise functions of HDDC3 are not fully understood, it is likely to play a role in regulating gene expression and cellular differentiation.

Overview

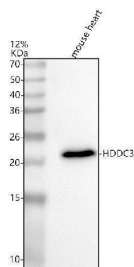
Product Name	Anti-HDDC3 Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-HDDC3 Antibody Picoband® catalog # A12287-1. Tested in WB,ELISA applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q8N4P3

Technical Details

Immunogen	E.coli-derived human HDDC3 recombinant protein (Position: K25-I179). Human HDDC3 shares 95.5% amino acid (aa) sequence identity with mouse HDDC3.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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, 0.25-0.5 ug/ml, Mouse ELISA, 0.1-0.5 ug/ml, -

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Anti-HDDC3 Antibody Picoband® (A12287-1) Images



Western blot analysis of HDDC3 using anti-HDDC3 antibody (A12287-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse heart 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-HDDC3 antigen affinity purified polyclonal antibody (Catalog # A12287-1) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for HDDC3 at approximately 22 kDa. The expected band size for HDDC3 is at 20 kDa.

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Anti-HDDC3 Antibody

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