

Anti-SMYD5 Antibody Picoband®

Catalog Number: A15461-1

About SMYD5

Enables protein-lysine N-methyltransferase activity. Involved in positive regulation of cytoplasmic translational elongation; regulation of stem cell differentiation; and transposable element silencing by heterochromatin formation. Is active in cytoplasm.

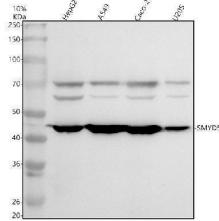
Overview

Product Name	Anti-SMYD5 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SMYD5 Antibody Picoband® catalog # A15461-1. Tested in WB, ELISA applications. This antibody reacts with Human. 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	Q6GMV2

Technical Details

Immunogen	E.coli-derived human SMYD5 recombinant protein (Position: R18-F374). Human SMYD5 shares 89.6% amino acid (aa) sequence identity with mouse SMYD5.
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, Human ELISA, 0.1-0.5 ug/ml

Anti-SMYD5 Antibody Picoband® (A15461-1) Images



Western blot analysis of SMYD5 using anti-SMYD5 antibody (A15461-1). 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 HepG2 whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: human U2OS whole cell 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-SMYD5 antigen affinity purified polyclonal antibody (A15461-1) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for SMYD5 at approximately 47 kDa. The expected band size for SMYD5 is at 47 kDa.

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Anti-SMYD5 Antibody

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