

Anti-SET1/SETD1A Antibody Picoband®

Catalog Number: A03736-1

About SETD1A

Histone-lysine N-methyltransferase SETD1A is an enzyme that in humans is encoded by the SETD1A gene. It is mapped to 16p11.2. The protein encoded by this gene is a component of a histone methyltransferase (HMT) complex that produces mono-, di-, and trimethylated histone H3 at Lys4. Trimethylation of histone H3 at lysine 4 (H3K4me3) is a chromatin modification known to generally mark the transcription start sites of active genes. The protein contains SET domains, a RNA recognition motif domain and is a member of the class V-like SAM-binding methyltransferase superfamily.

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Overview

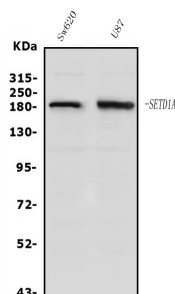
Product Name	Anti-SET1/SETD1A Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SET1/SETD1A Antibody Picoband® catalog # A03736-1. Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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	O15047

Technical Details

Immunogen	E.coli-derived human SET1/SETD1A recombinant protein (Position: D8-K153).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot.
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, 0.25-0.5ug/ml, Human ELISA, 0.1-0.5ug/ml, -

Anti-SET1/SETD1A Antibody Picoband® (A03736-1) Images



Western blot analysis of SET1/SETD1A using anti-SET1/SETD1A antibody (A03736-1). 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 50ug of sample under reducing conditions. Lane 1: human SW620 whole cell lysates, Lane 2: human U87 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-SET1/SETD1A antigen affinity purified polyclonal antibody (Catalog # A03736-1) 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 SET1/SETD1A at approximately 186KD. The expected band size for SET1/SETD1A is at 186KD.

Anti-SET1/SETD1A Antibody

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