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

Anti-KAT13A/SRC1/NCOA1 Antibody Picoband®

Catalog Number: RP1056

About NCOA1

The nuclear receptor coactivator 1 (NCOA1), also known as SRC1, is a transcriptional coregulatory protein that contains several nuclear receptor interacting domains and an intrinsic histone acetyltransferase activity. NCOA1 is recruited to DNA promotion sites by ligand-activated nuclear receptors. NCOA1, in turn, acylates histones, which makes downsteam DNA more accessible to transcription. Hence, NCOA1 assists nuclear receptors in the upregulation of DNA expression. It has been found that NCOA1 can enhance the transcriptional activity of ligand-bound PGR but does not alter the basal activity of the target promoter. It also enhances estrogen receptor, glucocorticoid receptor, thyroid hormone receptor, and retinoid X receptor transcriptional activities through their cognate DNA response elements in the presence of hormone. What's more, SRC1 may play a role as a bridging molecule between nuclear hormone receptors and general transcription factors.

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Overview

Product Name	Anti-KAT13A/SRC1/NCOA1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KAT13A/SRC1/NCOA1 Antibody catalog # RP1056. Tested in 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg 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	Q15788

Technical Details

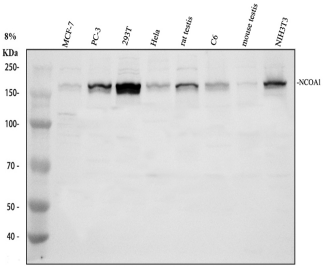
Immunogen	E.coli-derived human KAT13A recombinant protein (Position: H614-Q826). Human KAT13A shares

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	92% amino acid (aa) sequence identity with mouse KAT13A.
Recommended Detection Systems	Boster recommends ECL Plus Western Blotting Substrate (Catalog # AR1196-200) 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, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-KAT13A/SRC1/NCOA1 Antibody Picoband® (RP1056) Images



Western blot analysis of KAT13A/SRC1 using anti-KAT13A/SRC1 antibody (RP1056). Electrophoresis was performed on a 8% 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 MCF-7 whole cell lysates, Lane 2: human PC-3 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human HeLa whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse testis tissue lysates, Lane 8: mouse NIH3T3 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-KAT13A/SRC1 antigen affinity purified polyclonal antibody (RP1056) 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 (Catalog # BA1054) 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 KAT13A/SRC1 at approximately 157 kDa. The expected band size for KAT13A/SRC1 is at 157 kDa.

Anti-KAT13A/SRC1/NCOA1 Antibody

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