

Datasheet for ABIN3042385
anti-NCOA1 antibody (AA 614-826)



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1 Image

Overview

Quantity:	100 µg
Target:	NCOA1
Binding Specificity:	AA 614-826
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCOA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-KAT13A/SRC1/NCOA1 Antibody Picoband®
Immunogen:	E.coli-derived human KAT13A recombinant protein (Position: H614-Q826). Human KAT13A shares 92% amino acid (aa) sequence identity with mouse KAT13A.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-KAT13A/SRC1/NCOA1 Antibody (ABIN3042385). Tested in Flow Cytometry, IF, ICC, 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: NCOA1

Alternative Name: NCOA1 ([NCOA1 Products](#))

Background: Synonyms: Nuclear receptor coactivator 1, NCoA-1, 2.3.1.48, Class E basic helix-loop-helix protein 74, bHLHe74, Protein Hin-2, RIP160, Renal carcinoma antigen NY-REN-52, Steroid receptor coactivator 1, SRC-1, NCOA1, BHLHE74, SRC1,

Tissue Specificity: Widely expressed. .

Background: 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 downstream 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.

Sequence Similarities: Belongs to the SRC/p160 nuclear receptor coactivator family.

Molecular Weight: 157 kDa

Gene ID: 8648

UniProt: [Q15788](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Nuclear Hormone Receptor Binding](#), [Chromatin Binding](#), [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human
Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human1. Onate, S. A., Tsai, S. Y., Tsai, M.-J., O'Malley, B. W. Sequence and characterization of a coactivator for the steroid hormone receptor superfamily. Science 270: 1354-1357, 1995. 2. Onate SA, Boonyaratanakornkit V, Spencer TE,

Application Details

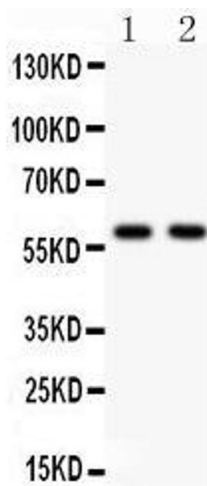
Tsai SY, Tsai MJ, Edwards DP et al. (1998). "The steroid receptor coactivator-1 contains multiple receptor interacting and activation domains that cooperatively enhance the activation function 1 (AF1) and AF2 domains of steroid receptors". J Biol Chem 273 (20): 12101-8.

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.

Images



Western Blotting

Image 1. Anti- KAT13A antibody, Western blotting All lanes: Anti KAT13A at 0.5ug/ml Lane 1: COLO320 Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Predicted bind size: 60KD Observed bind size: 60KD