


Anti-KAT13C / NCOA2 antibody ab10491

★★★★☆ [4 Abreviews](#) [13 References](#) [3 图像](#)

概述

产品名称	Anti-KAT13C / NCOA2抗体
描述	兔多克隆抗体to KAT13C / NCOA2
宿主	Rabbit
特异性	We have data to indicate that this antibody may not cross react with <i>Xenopus laevis</i> . However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
经测试应用	适用于: WB, IHC-P, IP
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Guinea pig, Cow, Dog, Pig, Chimpanzee, Ferret, Gorilla, Chinese hamster 
免疫原	Synthetic peptide corresponding to Human KAT13C/ NCOA2 aa 700-800. Database link: Q15596
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
纯度	Immunogen affinity purified
纯化说明	Antibodies were affinity purified using the peptide immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab10491于以下的经测试应用

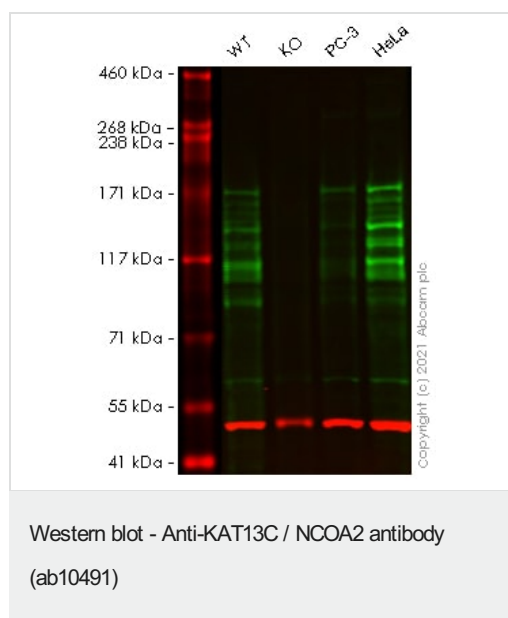
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (3)	1/1000 - 1/10000. Detects a band of approximately 170 kDa (predicted molecular weight: 175 kDa).
IHC-P		Use at an assay dependent concentration.
IP	★★★★☆ (1)	Use 6µg for 10 cells.

靶标

功能	Transcriptional coactivator for steroid receptors and nuclear receptors. Coactivator of the steroid binding domain (AF-2) but not of the modulating N-terminal domain (AF-1). Required with NCOA1 to control energy balance between white and brown adipose tissues.
疾病相关	Note=Chromosomal aberrations involving NCOA2 may be a cause of acute myeloid leukemias. Inversion inv(8)(p11;q13) generates the KAT6A-NCOA2 oncogene, which consists of the N-terminal part of KAT6A and the C-terminal part of NCOA2/TIF2. KAT6A-NCOA2 binds to CREBBP and disrupts its function in transcription activation.
序列相似性	Belongs to the SRC/p160 nuclear receptor coactivator family. Contains 1 bHLH (basic helix-loop-helix) domain. Contains 1 PAS (PER-ARNT-SIM) domain.
结构域	Contains four Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs. The LXXLL motifs are essential for the association with nuclear receptors and are, at least in part, functionally redundant. The LLXXLXXXL motif is involved in transcriptional coactivation and CREBBP/CBP binding. Contains 2 C-terminal transcription activation domains (AD1 and AD2) that can function independently.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus.

图片



All lanes : Anti-KAT13C / NCOA2 antibody (ab10491) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : NCOA2 knockout HEK-293T cell lysate

Lane 3 : PC-3 cell lysate

Lane 4 : HeLa cell lysate

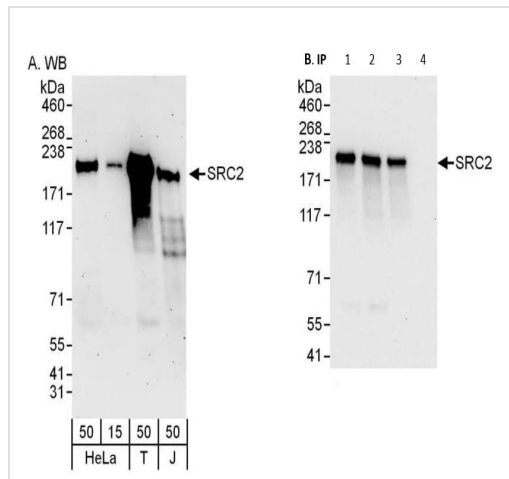
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 175 kDa

Observed band size: 160 kDa

False colour image of Western blot: Anti-KAT13C / NCOA2 antibody staining at 1/1000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab10491 was shown to bind specifically to KAT13C / NCOA2. A band was observed at 160 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in NCOA2 knockout cell line [ab265068](#) (knockout cell lysate [ab258530](#)). To generate this image, wild-type and NCOA2 knockout HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5% milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4°C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Immunoprecipitation - Anti-KAT13C / NCOA2 antibody (ab10491)

ab10491 used for WB at 0.1 µg/ml (A)

Lane 1: Whole cell lysate HeLa, 50 µg

Lane 2: Whole cell lysate HeLa, 15 µg

Lane 3: Whole cell lysate HEK293T, 50 µg

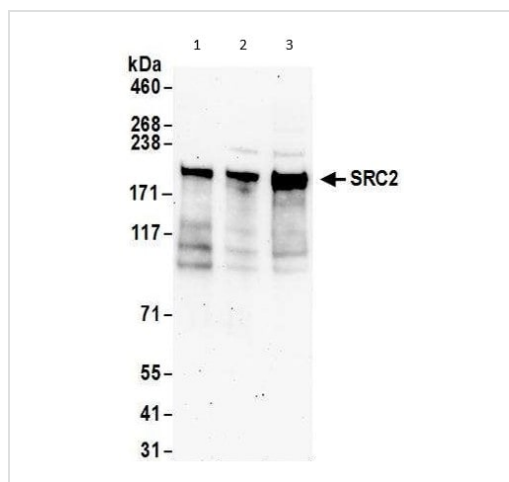
Lane 4: Whole cell lysate Jurkat, 50 µg

ab10491 was used at 1 µg/ml for WB and used for IP at 6 µg/mg lysate (B)

Lane 1-3: ab10491]

Lane4: Control IgG

Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).



Western blot - Anti-KAT13C / NCOA2 antibody (ab10491)

All lanes : Anti-KAT13C / NCOA2 antibody (ab10491) at 1 µg/ml

Lane 1 : TCMK-1 cells

Lane 2 : 4T1 cells

Lane 3 : CT26.WT cells

Lysates/proteins at 50 µg per lane.

Predicted band size: 175 kDa

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