

NCOA2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20987c

Product Information

Application WB, E **Primary Accession** Q15596

Reactivity Human, Rat, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB50717
Calculated MW 159157

Additional Information

Gene ID 10499

Other Names Nuclear receptor coactivator 2, NCoA-2, Class E basic helix-loop-helix protein

75, bHLHe75, Transcriptional intermediary factor 2, hTIF2, NCOA2, BHLHE75,

SRC2, TIF2

Target/Specificity This NCOA2 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 1169-1203 amino acids from the

C-terminal region of human NCOA2.

Dilution WB~~1:500-1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions NCOA2 Antibody (C-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name NCOA2

Synonyms BHLHE75, SRC2, TIF2 {ECO:0000303 | PubMed:

Function Transcriptional coactivator for steroid receptors and nuclear receptors

(PubMed: <u>23508108</u>, PubMed: <u>8670870</u>, PubMed: <u>9430642</u>, PubMed: <u>22504882</u>,

PubMed:26553876). Coactivator of the steroid binding domain (AF-2) but not of the modulating N-terminal domain (AF-1) (PubMed:23508108, PubMed:8670870, PubMed:9430642). Required with NCOA1 to control energy balance between white and brown adipose tissues (PubMed:23508108, PubMed:8670870, PubMed:9430642). Critical regulator of glucose metabolism regulation, acts as a RORA coactivator to specifically modulate G6PC1 expression (PubMed:23508108, PubMed:8670870, PubMed:9430642). Involved in the positive regulation of the transcriptional activity of the glucocorticoid receptor NR3C1 by sumoylation enhancer RWDD3 (PubMed:23508108). Positively regulates the circadian clock by acting as a transcriptional coactivator for the CLOCK-BMAL1 heterodimer (By similarity).

Cellular Location

Nucleus.

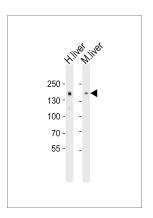
Background

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.

References

Voegel J.J., et al.EMBO J. 15:3667-3675(1996). Carapeti M., et al.Blood 91:3127-3133(1998). Voegel J.J., et al.EMBO J. 17:507-519(1998). Fryer C.J., et al.Nature 393:88-91(1998). Carrero P., et al.Mol. Cell. Biol. 20:402-415(2000).

Images



Western blot analysis of lysates from human liver, mouse liver tissue lysate (from left to right), using NCOA2 Antibody (C-term)(Cat. #AP20987c). AP20987c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.