

NCOA2 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21793b

Product Information

Application WB, E **Primary Accession** Q15596

Reactivity Human, Rat, Mouse

HostRabbitClonalitypolyclonalIsotypeRabbit IgGClone NamesRB53913Calculated MW159157

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 1431-1462 amino acids from human

NCOA2.

Dilution WB~~1:2000 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:23508108, PubMed:8670870, PubMed:9430642, PubMed:22504882,

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.

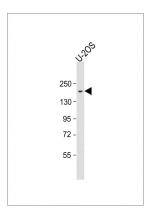
Background

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. Critical regulator of glucose metabolism regulation, acts as RORA coactivator to specifically modulate G6PC expression. Involved in the positive regulation of the transcriptional activity of the glucocorticoid receptor NR3C1 by sumoylation enhancer RWDD3. Positively regulates the circadian clock by acting as a transcriptional coactivator for the CLOCK- ARNTL/BMAL1 heterodimer (By similarity).

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). Atkins G.B., et al. Mol. Endocrinol. 13:1550-1557(1999).

Images



Anti-NCOA2 Antibody (C-Term) at 1:2000 dilution + U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 159 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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