10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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: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.

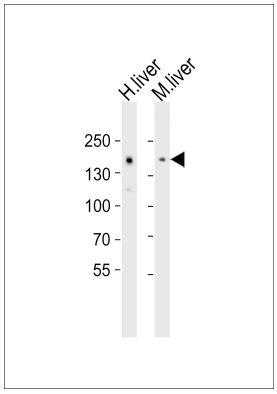
Background

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.

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.