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NCOA2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21855c

Product Information

Application	WB, E
Primary Accession	Q15596
Other Accession	Q9W705, B5DE09
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54073
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 706-739 amino acids from the Central region of human NCOA2.
Dilution	WB~~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 (Center) 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

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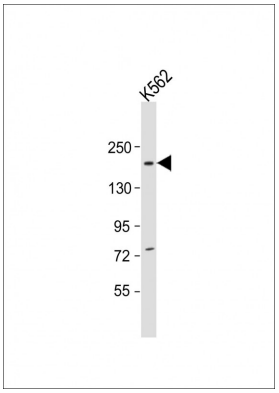
Carapeti M.,et al.Blood 91:3127-3133(1998).
Voegel J.J.,et al.EMBO J. 17:507-519(1998).
Fryer C.J.,et al.Nature 393:88-91(1998).
Atkins G.B.,et al.Mol. Endocrinol. 13:1550-1557(1999).

Images



Anti-NCOA2 Antibody (Center) at 1:1000 dilution + K562 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.