

DATASHEET

NCOA2 Rabbit Polyclonal Antibody

CAT. NO. APA13886

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------------|
| Target | NCOA2 | Source / Host | Rabbit |
| Reactivity | Human | Clonality | Polyclonal |
| Applications | WB, IHC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at-20°C |

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 a RORA coactivator to specifically modulate G6PC1 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-BMAL1 heterodimer .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|-----|----------------|
| WB | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to NCOA2 |
| Specificity | Recognizes endogenous levels of NCOA2 protein. |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human NCOA2 |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 159 kD; Observed: 200 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | BHLHE75; SRC2; TIF2; Nuclear receptor coactivator 2; NCoA-2; Class E basic helix-loop-helix protein 75; bHLHe75; Transcriptional intermediary factor 2; hTIF2 |
| Gene Symbol | NCOA2 |
| Entrez Gene | 10499(Human) |
| SwissProt | Q15596(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

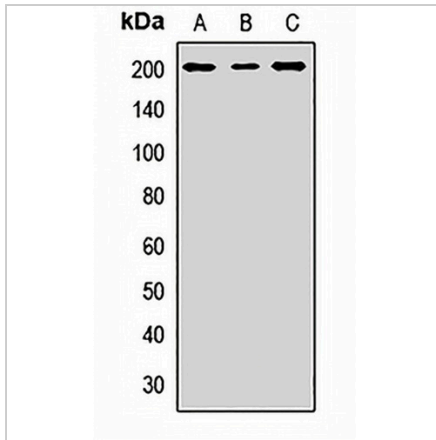
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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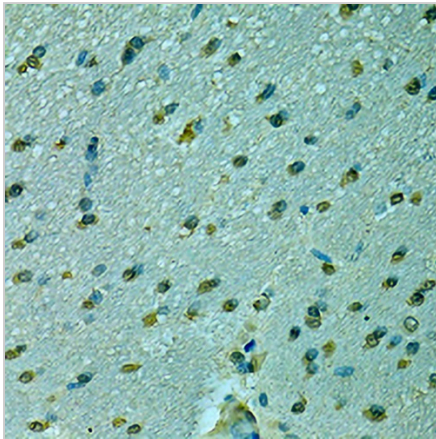
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DATA



Western blot analysis of NCOA2 expression in HeLa (A), A549 (B), BT474 (C) whole cell lysates. (Predicted band size: 159 kD; Observed band size: 200 kD)



Immunohistochemical analysis of NCOA2 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.