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NCOA2

Reactivity: Human Mouse

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:159kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human NCOA2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

SRC2; TIF2; GRIP1; KAT13C; NCoA-2; bHLHe75

Catalog #:A10280

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:10499

Isotype: IgG

Swiss Prot:Q15596

Purity: Affinity purification

For research use only.

Background:

The NCOA2 gene encodes nuclear receptor coactivator 2, which aids in the function of nuclear hormone receptors. Nuclear hormone receptors are conditional transcription factors that play important roles in various aspects of cell growth, development, and homeostasis by controlling expression of specific genes. Members of the nuclear hormone receptor superfamily, which includes the 5 steroid receptors and class II nuclear receptors (see below), are structurally characterized by 3 distinct domains: an N-terminal transcriptional activation domain, a central DNA-binding domain, and a C-terminal hormone-binding domain. Before the binding of hormone, steroid receptors, which are sometimes called class I of the nuclear hormone receptor family, remain inactive in a complex with heat-shock protein-90 (MIM 140571) and other stress family proteins. Binding of hormone induces critical conformational changes in steroid receptors that cause them to dissociate from the inhibitory complex, bind as homodimers to specific DNA enhancer elements associated with target genes, and modulate that gene's transcription. After binding to enhancer elements, transcription factors require transcriptional coactivator proteins to mediate their stimulation of transcription initiation (Hong et al., 1997 [PubMed 9111344]).[supplied by OMIM, Nov 2010]

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