NCOA1 Polyclonal Antibody

ALTERNATE NAMES: NCOA1, F-SRC-1, KAT13A, MGC129719, MGC129720, NCoA-1, RIP160, SRC-1, SRC1, bHLHe42, bHLHe74, 6/G9a

CATALOG #: 6153-100

AMOUNT: 100 µg

HOST: Rabbit

ISOTYPE: IgG

IMMUNOGEN: Recombinant protein of human NCOA1

PURIFICATION: Affinity purified

MOLECULAR WEIGHT: 157 kDa

FORM: Liquid

FORMULATION: 100 µg of antibody in 100 µl PBS containing 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse, Rat

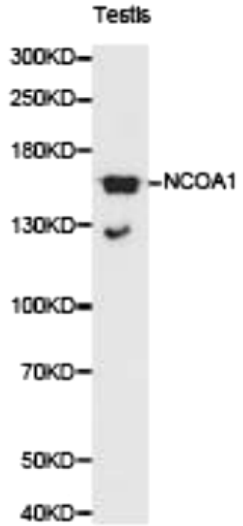
STORAGE CONDITIONS: Can be stored at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: There are three members of the steroid receptor co-activator (SRC) family of proteins: SRC-1 (NCoA-1), SRC-2 (TIF2/GRIP1/NCoA-2), and SRC-3 (ACTR /TRAM-1/AIB1). All SRC family members share significant structural homology and function to stimulate transcription mediated by nuclear hormone receptors and other transcriptional activators such as Stat3, NF-κB, E2F1, and p53. Two SRC proteins, SRC-1 and SRC-3, function as histone acetyltransferases. In addition, all three family members can recruit other histone acetyltransferases (CBP/p300, PCAF) and histone methyltransferases (PRMT1, CARM1) to target promoters and cooperate to enhance expression of many genes. The SRC proteins play important roles in multiple physiological processes including cell proliferation, cell survival, somatic cell growth, mammary gland development, female reproductive function, and vasoprotection. SRC-1 and SRC-3 are conduits for kinase mediated growth factor signaling to the estrogen receptor and other transcriptional activators. Seven SRC-1 phosphorylation sites and six SRC-3 phosphorylation sites have been identified, which are induced by steroids, cytokines, and growth factors and involve multiple kinase signaling pathways. Research has shown that all three SRC family members are associated with increased activity of nuclear receptors in breast, prostate, and ovarian carcinomas. According to the literature, SRC-3 is frequently amplified or overexpressed in a number of cancers, and SRC-1/PAX3 and SRC-2/MYST3 translocations are found associated with rhabdomyosarcoma and acute myeloid leukemia, respectively.

SPECIFICITY: Cross-reacts with human, mouse and rat samples.

APPLICATION: Western blot: 1:500 – 1:2000, IHC: 1:50 – 1:200.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



WB of testis cell extract with NCOA1 pAb.

RELATED PRODUCTS:

- SRC3 Antibody **(Cat. No. 3773-100)**
- Active Src1 **(Cat. No. 7750-5, -100)**

FOR RESEARCH USE ONLY! Not to be used on humans.