

NCOA1 Polyclonal Antibody

Catalog No: YN0036

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: NCOA1

Fields: >>Estrogen signaling pathway;>>Thyroid hormone signaling

pathway;>>Pathways in cancer;>>Breast cancer

Gene Name: NCOA1 BHLHE74 SRC1

Protein Name: Nuclear receptor coactivator 1 (NCoA-1) (EC 2.3.1.48) (Class E basic helix-loop-

helix protein 74) (bHLHe74) (Protein Hin-2) (RIP160) (Renal carcinoma antigen

NY-REN-52) (Steroid receptor coactivator 1

Human Gene Id: 8648

Human Swiss Prot

ss Prot Q15788

No:

Mouse Swiss Prot P70365

No:

Immunogen : Synthesized peptide derived from human protein . at AA range: 1120-1200

Specificity: NCOA1 Polyclonal Antibody detects endogenous levels of protein.

Formulation : Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000 ELISA 1:5000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/2



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 158kD

Background:

The protein encoded by this gene acts as a transcriptional coactivator for steroid and nuclear hormone receptors. It is a member of the p160/steroid receptor coactivator (SRC) family and like other family members has histone acetyltransferase activity and contains a nuclear localization signal, as well as bHLH and PAS domains. The product of this gene binds nuclear receptors directly and stimulates the transcriptional activities in a hormone-dependent fashion. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

Function:

catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone.,disease:A chromosomal aberration involving NCOA1 is a cause of rhabdomyosarcoma. Translocation t(2;2)(q35;p23) with PAX3 generates the NCOA1-PAX3 oncogene consisting of the N-terminus part of PAX3 and the C-terminus part of NCOA1. The fusion protein acts as a transcriptional activator. Rhabdomyosarcoma is the most common soft tissue carcinoma in childhood, representing 5-8% of all malignancies in children.,domain:Contains 7 Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs. LXXLL motifs 3, 4 and 5 are essential for the association with nuclear receptors. LXXLL motif 7, which is not present in isoform 2, increases the affinity for steroid receptors in vitro.,domain:The C-terminal (1107-1441) part mediates the histone acetyltransferase (HAT) activity.,function:Nuclear receptor coactivator that directly binds nuclear receptors and stimulates t

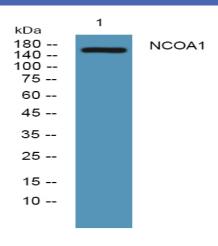
Subcellular Location:

Nucleus.

Expression:

Widely expressed.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night