

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 No :	Q15788
Mouse Swiss Prot No :	P70365
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

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

