



NCOA1 Monoclonal Antibody

Catalog No	YP-mAb-04919
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NCOA1 BHLHE74 SRC1
Immunogen	Synthesized peptide derived from human protein . at AA range: 1120-1200
Specificity	NCOA1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NCOA1;SRC 1;bHLHe42;BHLHE74;Class E basic helix-loop-helix protein 74; NCOA1 BHLHE74 SRC1;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
Observed Band	158kD
Calculated Molecular Weight	158kD
Cell Pathway	Nucleus .
Tissue Specificity	Widely expressed.
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

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],

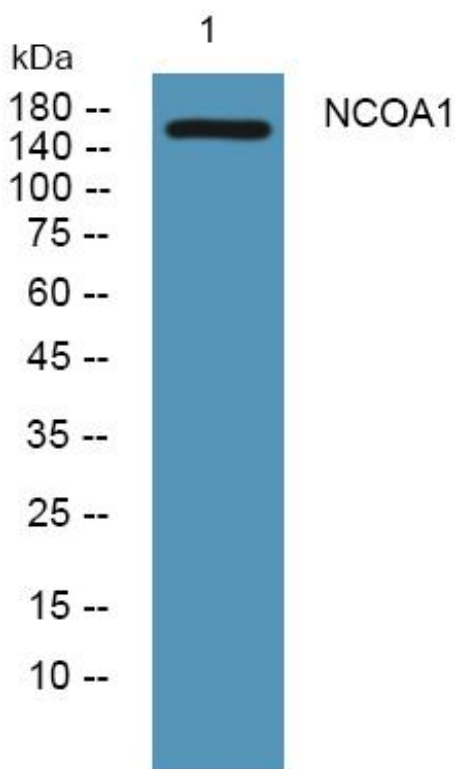
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NCOA1 Monoclonal Antibody