

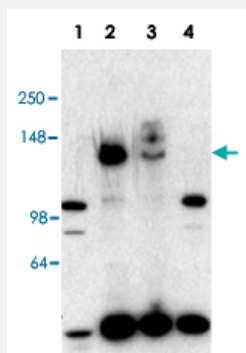
NCOA3 polyclonal antibody

Catalog # PAB10282

Size 100 ug

Applications

Western Blot



Western blot using NCOA3 polyclonal antibody (Cat # PAB10282) shows detection of NCOA3 in mouse liver nuclear extract (lane 1), transiently transfected 293 cell lysate (lane 2), HeLa whole cell lysate (lane 3) and mouse thyroid cell nuclear extract (lane 4).

The band at ~ 148 kDa, indicated by the arrowhead, corresponds to NCOA3. Mouse NCOA3 (lanes 1 and 4) appear as ~ 105 kDa bands.

Pre-incubation of antibody with the immunizing peptide blocks detection of specific band staining (not shown).

Personal communication, H. Ying, NCI, Bethesda, MD.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of NCOA3.

Immunogen A synthetic peptide corresponding to internal region of human NCOA3.

Host Rabbit

Reactivity Bovine, Dog, Human, Macaque, Mouse, Rat

Specificity This antibody reacts with several isoforms of human NCOA3 protein (a, b, d, e and f).

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:175000)
Western Blot (1:500-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NCOA3

Entrez GeneID[8202](#)**Protein Accession#**[NP_858045:Q9Y6Q9](#)**Gene Name**

NCOA3

Gene Alias

ACTR, AIB-1, AIB1, CAGH16, CTG26, KAT13B, MGC141848, RAC3, SRC3, TNRC14, TNRC16, TRAM-1, bHLHe42, pCIP

Gene Description

nuclear receptor coactivator 3

Omim ID[601937](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a nuclear receptor coactivator that interacts with nuclear hormone receptors to enhance their transcriptional activator functions. The encoded protein has histone acetyltransferase activity and recruits p300/CBP-associated factor and CREB binding protein as part of a multisubunit coactivation complex. This protein is initially found in the cytoplasm but is translocated into the nucleus upon phosphorylation. Two transcript variants encoding different isoforms have been found for this gene. In addition, a polymorphic repeat region is found in the C-terminus of the encoded protein. [provided by RefSeq]

Other Designations

CBP-interacting protein|OTTHUMP00000031716|OTTHUMP00000031718|amplified in breast cancer-1|receptor-associated coactivator 3|steroid receptor coactivator protein 3|thyroid hormone receptor activator molecule 1

Publication Reference

- [Steroid receptor coactivator 3 is a coactivator for myocardin, the regulator of smooth muscle transcription and differentiation.](#)

Li HJ, Haque Z, Lu Q, Li L, Karas R, Mendelsohn M.

PNAS 2007 Mar; 104(10):4065.

Application: IF, WB, Human, AO184, HEK 293, MCF-7, PAC1 cells

- [The activity and stability of the transcriptional coactivator p/CIP/SRC-3 are regulated by CARM1-dependent methylation.](#)

Naeem H, Cheng D, Zhao Q, Underhill C, Tini M, Bedford MT, Torchia J.

Molecular Biology of the Cell 2007 Jan; 27(1):120.

Application: IP, WB, Human, Monkey, Mouse, COS-1, HeLa, MCF-7 cells, MEFs

- [Mir-17-5p regulates breast cancer cell proliferation by inhibiting translation of AIB1 mRNA.](#)

Hossain A, Kuo MT, Saunders GF.

Molecular Biology of the Cell 2006 Nov; 26(21):8191.

Application: WB, Human, HeLa, MCF-7 cells

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