

Datasheet for ABIN233839

## anti-NCOA3 antibody (Internal Region)



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### 1 Image

#### Overview

Quantity:	100 µg
Target:	NCOA3
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

#### Product Details

Purpose:	NCOA3 Antibody
Immunogen:	<p>Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human NCOA3 isoform a protein.</p> <p>Immunogen Type: Conjugated Peptide</p>
Isotype:	IgG
Cross-Reactivity (Details):	This antibody reacts with several isoforms of human NCOA3 protein (a, b, d, e and f).
Characteristics:	<p>Synonyms: rabbit anti-NCOA3 antibody, NCOA 3, NCOA-3, Nuclear receptor coactivator 3 NCoA-3, Thyroid hormone receptor activator molecule 1, TRAM-1, pCIP, bHLHe42, Receptor-associated coactivator 3, RAC-3, Amplified in breast cancer 1 protein, AIB-1, Steroid receptor coactivator protein 3, SRC-3, ACTR, AIB1, BHLHE42, RAC3, TRAM1</p>
Purification:	This product was affinity purified from monospecific antiserum by immunoaffinity

## Product Details

chromatography.

Sterility: Sterile filtered

## Target Details

Target: NCOA3

Alternative Name: NCOA3 ([NCOA3 Products](#))

Background: Background: This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI). The NCOA3 (also known as nuclear receptor coactivator 3 isoform a) is a nuclear receptor coactivator that interacts with nuclear hormone receptors to enhance their transcriptional activator functions in a hormone-dependent fashion. The encoded protein has histone acetyltransferase activity and recruits p300/CBP-associated factor and CREB binding protein as part of a multisubunit coactivation complex. NCOA3 probably acts via remodeling of chromatin and is involved in the coactivation of different nuclear receptors, such as for steroids (GR and ER), retinoids (RARs and RXRs), thyroid hormone (TRs), vitamin D3 (VDR) and prostanoids (PPARs). NCOA3 is also involved in the coactivation of the NF-kappa-B pathway via its interaction with the NFkB1 subunit. NCOA3 may be associated with diseases such as breast cancer and meningothelial meningioma. Anti-NCOA3 Antibody is useful for researchers interested in cancer research, chromatin binding, transcription coactivator activity, Immunology, and Nuclear Signaling research.

Gene ID: 8202, 32307126

UniProt: [Q9Y6Q9](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

Application Notes: Immunohistochemistry Dilution: 5 µg/mL  
Application Note: This affinity purified antibody has been tested for use in ELISA, Immunohistochemistry, and western blotting. Specific conditions for reactivity should be optimized by the end user.  
Western Blot Dilution: 1:500 - 1:1,000  
Immunoprecipitation Dilution: 1:100  
ELISA Dilution: 1:175,000  
Other: User Optimized

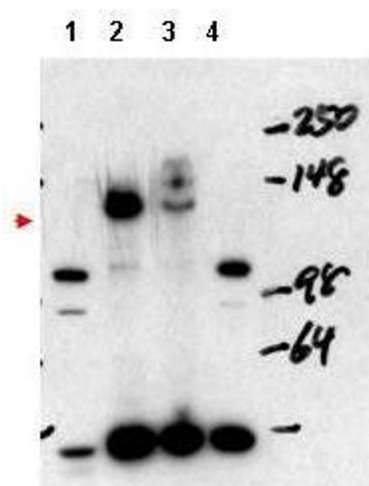
## Application Details

Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	0.82 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

## Images



### Western Blotting

**Image 1.** Western blot using affinity purified anti-NCOA3 antibody 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.