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Anti-NCOA3 (RABBIT) Antibody
NCOA3 Antibody
Catalog # ASR5409

Specification

Anti-NCOA3 (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, IHC, E, IP, I, LCI**
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.**
Physical State	**Liquid (sterile filtered)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
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.**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-NCOA3 (RABBIT) Antibody - Additional Information

Gene ID 8202

Other Names
8202

Purity
This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with several isoforms of human NCOA3 protein (a, b, d, e and f). A BLAST analysis was used to suggest cross-reactivity with NCOA3 from human and macaque sources based on a 100% homology with the immunizing sequence. Expect partial reactivity with NCOA3 from dog, bovine, mouse and rat sources based on partial sequence homology. Cross-reactivity with NCOA3 from other sources has not been determined.

Storage Condition
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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-NCOA3 (RABBIT) Antibody - Protein Information

Name NCOA3

Synonyms AIB1, BHLHE42, RAC3, TRAM1

Function
Nuclear receptor coactivator that directly binds nuclear receptors and stimulates the transcriptional activities in a hormone- dependent fashion. Plays a central role in creating a multisubunit coactivator complex, which probably acts via remodeling of chromatin. 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). Displays histone acetyltransferase activity. Also involved in the coactivation of the NF-kappa-B pathway via its interaction with the NFKB1 subunit.

Cellular Location
Cytoplasm. Nucleus. Note=Mainly cytoplasmic and weakly nuclear. Upon TNF activation and subsequent phosphorylation, it translocates from the cytoplasm to the nucleus

Tissue Location
Widely expressed. High expression in heart, skeletal muscle, pancreas and placenta. Low expression in brain, and very low in lung, liver and kidney

Anti-NCOA3 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NCOA3 (RABBIT) Antibody - Images

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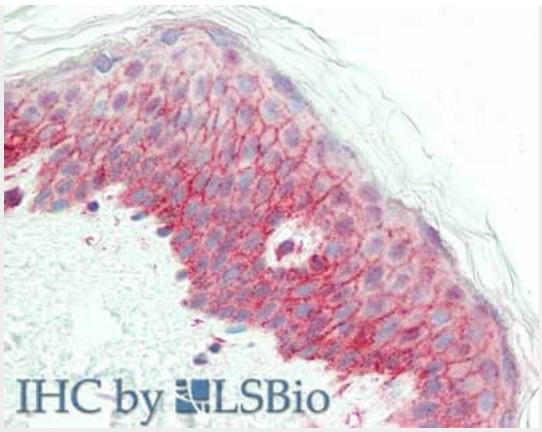

Immunohistochemistry of rabbit anti-NCOA3 antibody. Tissue: skin spleen. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Anti-NCOA3 at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: NCOA-3 as precipitated red signal with hematoxylin purple nuclear counterstain.

Anti-NCOA3 (RABBIT) Antibody - Background

This antibody is designed, produced, and validated as part of a collaboration between Rockland and 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.