

Anti-NCOA3/Src3 Antibody

Catalog Number: A01337

About NCOA3

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.

Overview

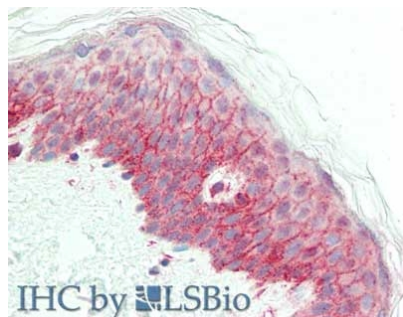
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| Product Name | Anti-NCOA3/Src3 Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-NCOA3/Src3 Antibody (Catalog # A01337). Tested in ELISA, IHC, WB applications. This antibody reacts with Human. |
| Application | ELISA, IHC, WB |
| Clonality | Polyclonal |
| Formulation | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide |
| Storage Instructions | 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. Expiration date is one (1) year from date of opening. (Ship on dry ice.) |
| Host | Rabbit |
| Uniprot ID | Q9Y6Q9 |

Technical Details

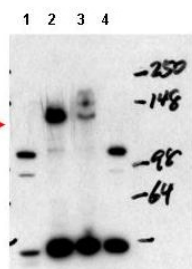
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| Immunogen | This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human NCOA3 isoform a protein. |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster |
| Cross Reactivity | No cross reactivity with other proteins. |

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| Isotype | IgG |
| Form | Liquid (sterile filtered) |
| Concentration | 1.24 mg/mL by UV absorbance at 280 nm |
| Purification | 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. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:175,000</p> <p>IHC: 5µg/mL</p> <p>IP: 1:100</p> <p>WB: 1:500 - 1:1,000</p> |

Anti-NCOA3/Src3 Antibody (A01337) Images



NCOA3 was detected in paraffin-embedded sections of human skin spleen tissue using rabbit anti-NCOA3 Antigen Affinity purified polyclonal antibody (Catalog # A01337) at 5 ug/mL. Staining: NCOA-3 as precipitated red signal with hematoxylin purple nuclear counterstain.



Western blot analysis of NCOA3 expression 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). NCOA3 at 148/105KD was detected using rabbit anti-NCOA3 Antigen Affinity purified polyclonal antibody (Catalog # A01337). The band at 148 kDa corresponds to NCOA3. Mouse NCOA3 (lanes 1 and 4) appear as 105 kDa bands. Personal communication, H. Ying, NCI, Bethesda, MD.

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