

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

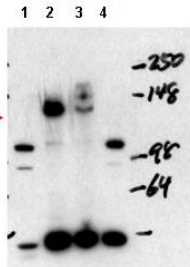
Product Name	Anti-NCOA3/Src3 Antibody
Reactive Species	Human
Description	Boster Bio Anti-NCOA3/Src3 Antibody (Catalog # A01337). Tested in ELISA, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium 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

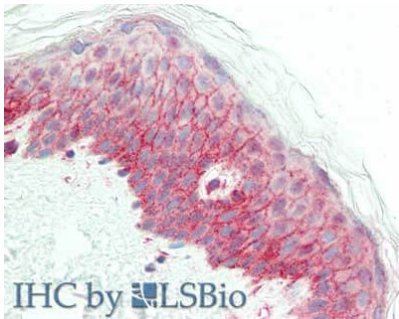
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human NCOA3 isoform a protein.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity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

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	ELISA: 1:175,000 IHC: 5µg/mL IP: 1:100 WB: 1:500 - 1:1,000 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.

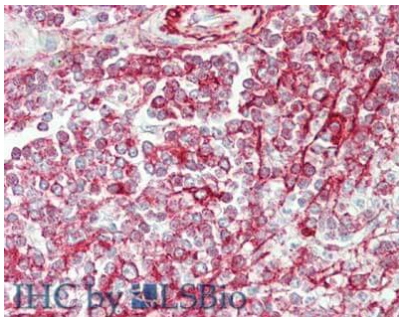
Anti-NCOA3/Src3 Antibody (A01337) Images



Western blot using Boster's 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.



Immunohistochemistry of rabbit anti-NCOA3 antibody.
Tissue: skin spleen. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Anti-NCOA3 at 5 μ g/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.



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Anti-NCOA3/Src3 Antibody

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