

NCOA3 / SRC-3 / AIB1 Antibody
Goat Polyclonal Antibody
Catalog # ALS12986**Specification**

NCOA3 / SRC-3 / AIB1 Antibody - Product Information

Application	IHC
Primary Accession	O9Y6Q9
Reactivity	Human, Hamster, Monkey, Pig, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	155kDa KDa

NCOA3 / SRC-3 / AIB1 Antibody - Additional Information**Gene ID** 8202**Other Names**

Nuclear receptor coactivator 3, NCoA-3, 2.3.1.48, ACTR, Amplified in breast cancer 1 protein, AIB-1, CBP-interacting protein, pCIP, Class E basic helix-loop-helix protein 42, bHLHe42, Receptor-associated coactivator 3, RAC-3, Steroid receptor coactivator protein 3, SRC-3, Thyroid hormone receptor activator molecule 1, TRAM-1, NCOA3, AIB1, BHLHE42, RAC3, TRAM1

Target/Specificity

Human NCOA3. This antibody is expected to recognise both reported isoforms (NP_006525.2; NP_858045.1)

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

NCOA3 / SRC-3 / AIB1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NCOA3 / SRC-3 / AIB1 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

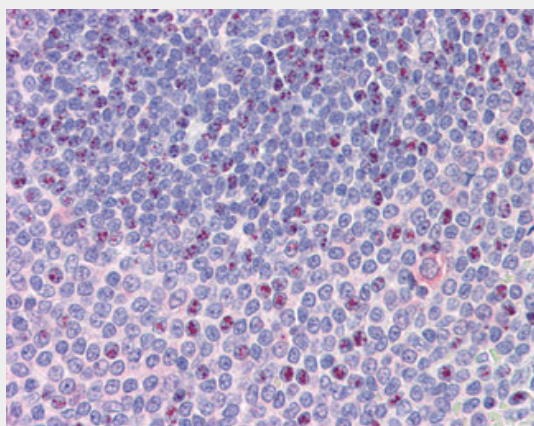
Widely expressed. High expression in heart, skeletal muscle, pancreas and placenta. Low expression in brain, and very low in lung, liver and kidney

NCOA3 / SRC-3 / AIB1 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 Cytometry](#)
- [Cell Culture](#)

NCOA3 / SRC-3 / AIB1 Antibody - Images



Anti-NCOA3 antibody IHC of human spleen.

NCOA3 / SRC-3 / AIB1 Antibody - Background

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.

NCOA3 / SRC-3 / AIB1 Antibody - References

Takeshita A., et al. J. Biol. Chem. 272:27629-27634(1997).
Chen H., et al. Cell 90:569-580(1997).

Anzick S.L.,et al.Science 277:965-968(1997).
Li H.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:8479-8484(1997).
Deloukas P.,et al.Nature 414:865-871(2001).