

**NCOA3 / SRC-3 / AIB1 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16164****Specification**

---

**NCOA3 / SRC-3 / AIB1 Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9Y6Q9</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	155kDa KDa

**NCOA3 / SRC-3 / AIB1 Antibody (Internal) - 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**

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 partia ...

**Reconstitution & Storage**

Long term: -20°C; Short term: -20°C

**Precautions**

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

**NCOA3 / SRC-3 / AIB1 Antibody (Internal) - 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**

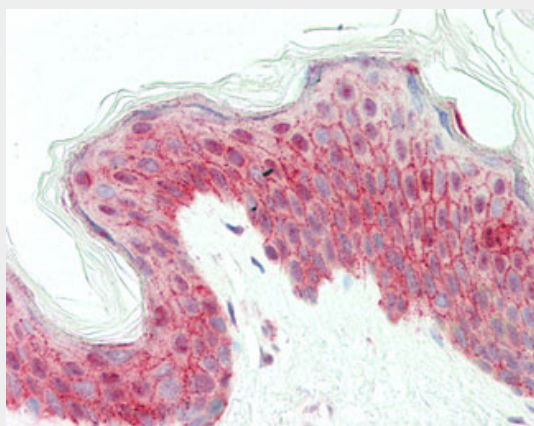
Widely expressed. High expression in heart, skeletal muscle, pancreas and placenta. Low expression in brain, and very low in lung, liver and kidney

### **NCOA3 / SRC-3 / AIB1 Antibody (Internal) - Protocols**

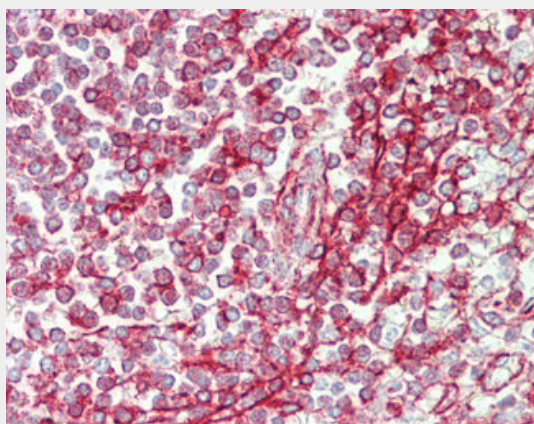
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **NCOA3 / SRC-3 / AIB1 Antibody (Internal) - Images**



Anti-NCOA3 / SRC-3 / AIB1 antibody IHC staining of human skin.



Anti-NCOA3 / SRC-3 / AIB1 antibody IHC staining of human spleen.

### **NCOA3 / SRC-3 / AIB1 Antibody (Internal) - 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 (Internal) - 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).