

**Anti-NCOA3 Antibody**  
Rabbit polyclonal antibody to NCOA3  
Catalog # AP61363

## Specification

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### Anti-NCOA3 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">O9Y6Q9</a>
Other Accession	<a href="#">O09000</a>
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	155293

### Anti-NCOA3 Antibody - Additional Information

Gene ID 8202

#### Other Names

AIB1; BHLHE42; RAC3; TRAM1; Nuclear receptor coactivator 3; NCoA-3; 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

#### Target/Specificity

Recognizes endogenous levels of NCOA3 protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

### Anti-NCOA3 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

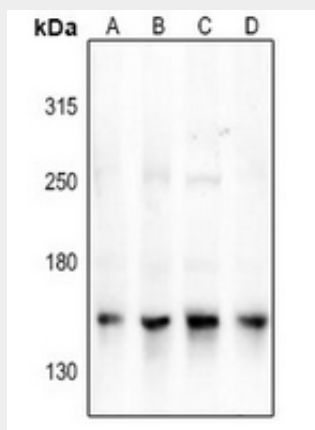
Widely expressed. High expression in heart, skeletal muscle, pancreas and placenta. Low expression in brain, and very low in lung, liver and kidney

### Anti-NCOA3 Antibody - Protocols

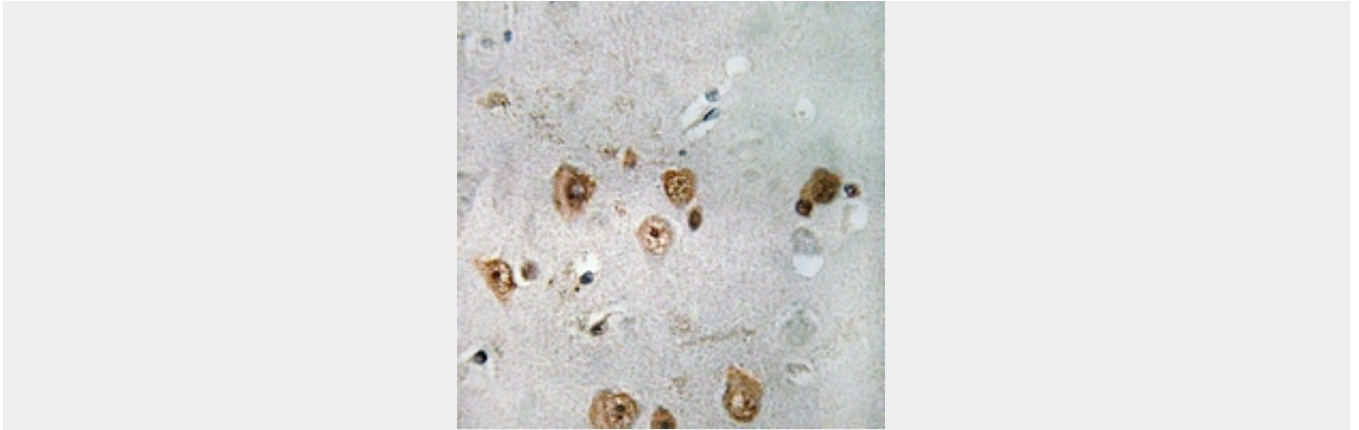
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-NCOA3 Antibody - Images



Western blot analysis of NCOA3 expression in AML12 (A), A2780 (B), MCF7 (C), LO2 (D) whole cell lysates.



Immunohistochemical analysis of NCOA3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-NCOA3 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NCOA3. The exact sequence is proprietary.