

# **Human/Mouse NCOA3 Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5076

DESCRIPTION		
Species Reactivity	Human/Mouse	
Specificity	Detects endogenous human and mouse NCOA3 in Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human NCOA3 Met673-Val856 Accession # Q9Y6Q9	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

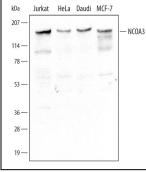
### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 μg/mL	See Below

### DATA

## Western Blot



Detection of Human NCOA3 by Western Blot. Western blot shows nuclear extracts of Jurkat human acute T cell leukemia cell line, HeLa human cervical epithelial carcinoma cell line, Daudi human Burkitt's lymphoma cell line, and MCF-7 human breast cancer cell line. PVDF membrane was probed with 0.1 µg/mL of Human/Mouse NCOA3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5076) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for NCOA3 at approximately 170 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

## PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## BACKGROUND

Nuclear Receptor Coactivator 3 (NCOA3) functions in the multisubunit coactivator complex. Multiple nuclear hormone receptors are able to bind to NCOA3 in a hormone dependent manor. NCOA3 contains intrinsic histone acetyltransferase activity, but is also able to recruit other histone acetyltransferases (CBP, PCAF) and methyltransferases (PRMT1, CARM1) to active promoters. NCOA3 null mice exhibit hematological, adiopogenesis, and endotoxic impairments. mRNA of NCOA3 is often amplified in several cancers including breast and ovarian.

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