

# Human/Mouse/Rat NCOR1 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF6167

DESCRIPTION	
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat NCOR1 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human NCOR1 Gln1770-Ala1947 Accession # O75376
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
 1 μg/mL
 See Below

 DATA
 Vestern Blot
 Vestern Blot

# KDa F13H - NCOR1

Detection of Human, Mouse, and Rat NCOR1 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, MCF-7 human breast cancer cell line, Balb/3T3 mouse embryonic fibroblast cell line, and NRK rat normal kidney cell line. PVDF Membrane was probed with 1 µg/mL of Sheep Anti-Human/Mouse/Rat NCOR1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6167) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for NCOR1 at approximately 270 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	<ul> <li>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</li> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> </ul>
	<ul> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

### BACKGROUND

NCOR1 (Nuclear receptor Co-Repressor 1) is a 270 kDa member of the NCoR family of molecules. It is widely expressed, being found in hepatocytes, intestinal crypt cells, neural stem cells, plus immature thymocytes and erythrocytes. NCOR1 is a transcriptional repressor. It forms a complex with HDAC3, TAB2 and ZBTB33, and interacts with a ligand-independent THR:RXR heterodimer bound to select gene promoters. Human NCOR1 is 2440 amino acids (aa) in length. It possesses one N-terminal repression domain (aa 1-312), two DNA-binding SANT domains (aa 437-674) and a second repression domain (aa 737-1004). Multiple Ser, Thr and Tyr phosphorylation sites exist that regulate complex dissociation. There are multiple potential splice variants. Short poly Lys motifs serve as substitutions for the C-terminal 1900-1910 amino acids. There is also a 16 aa insertion after Glu727, coupled to either a lle substitution for aa 1842-1961, or a six aa substitution for aa 31-145. Over aa 1770-1947, human NCOR1 shares 96% aa identity with mouse NCOR1.

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