产品名称：N-CoR Rabbit Polyclonal Antibody
产品货号：APRab14457

产品概述（Summary）

产品名称（Production Name）	N-CoR Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF,ELISA
种属反应性（Reactivity）	Human,Mouse

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	NCOR1
别名（Alternative Names）	NCOR1; KIAA1047; Nuclear receptor corepressor 1; N-CoR; N-CoR1
基因 ID（Gene ID）	9611.0
蛋白 ID（SwissProt ID）	O75376.The antiserum was produced against synthesized peptide derived from human NCoR1. AA range:51-100

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量（Molecular Weight）	270kDa

研究背景（Background）

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This gene encodes a protein that mediates ligand-independent transcription repression of thyroid-hormone and retinoic-acid receptors by promoting chromatin condensation and preventing access of the transcription machinery. It is part of a complex which also includes histone deacetylases and transcriptional regulators similar to the yeast protein Sin3p. This gene is located between the Charcot-Marie-Tooth and Smith-Magenis syndrome critical regions on chromosome 17. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 17 and 20. [provided by RefSeq, Jun 2010],domain:The C-terminal region contains two separate nuclear receptor-interacting domains (ID1 and ID2), each of which contains a conserved sequence referred to as the CORNR box. This motif is necessary and sufficient for binding to unligated nuclear hormone receptors, while sequences flanking the CORNR box determine the precise nuclear hormone receptor specificity.,domain:The N-terminal region contains three independent domains that are capable of mediating transcriptional repression (RD1, RD2 and RD3).,function:Mediates transcriptional repression by certain nuclear receptors. Part of a complex which promotes histone deacetylation and the formation of repressive chromatin structures which may impede the access of basal transcription factors.,PTM:Ubiquitinated; mediated by SIAH2 and leading to its subsequent proteasomal degradation.,similarity:Belongs to the N-CoR nuclear receptor corepressors family.,similarity:Contains 2 SANT domains.,subunit:Interacts with SIAH2, HDAC7, SAP30, SIN3A and SIN3B (By similarity). Forms a large corepressor complex that contains SIN3A/B and histone deacetylases HDAC1 and HDAC2. This complex associates with the thyroid (TR) and the retinoid acid receptors (RAR) in the absence of ligand. Interacts with DACH1. Component of the N-Cor repressor complex, at least composed of NCOR1, NCOR2, HDAC3, TBL1X, TBL1XR1, CORO2A and GPS2. Interacts with TRIM28 and MJD2A/JHDM3A. Interacts with ZBTB33/KAISO, and this interaction serves to recruit the N-CoR complex to promoter regions containing methylated CpG dinucleotides. Interacts with the catalytic domain of HDAC9. Interacts with CBFA2T3 and HEXIM1. Interacts with C1D.,

研究领域（Research Area）

Epigenetics and Nuclear Signaling; Chromatin Modifying Enzymes; Acetylation; Signal Transduction; Signaling Pathway; Nuclear Signaling; Nuclear Hormone Receptors; Co-activators/co-repressors; Nuclear Signaling Pathways; Nuclear Receptors; Transcription; Co-factors; Acetylation; HDACs; Class II / Hda1 Class; Cancer; Cancer Metabolism; Metabolic signaling pathway; Metabolism of lipids and lipoproteins; Metabolism; Pathways and Processes; Lipid and lipoprotein metabolism; Lipid metabolism; Cofactors, Vitamins / minerals

图片（Image Data）

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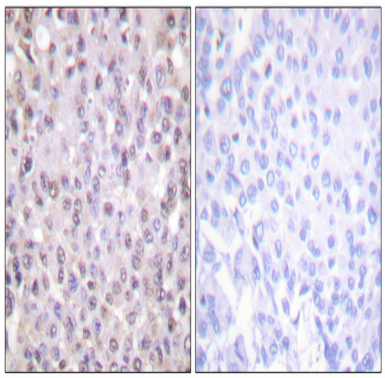
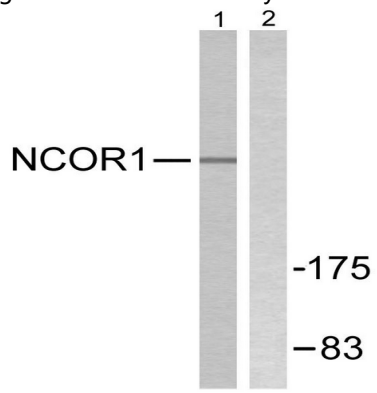


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using NCoR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from MDA-MB-435 cells, using NCoR1 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项（Note）

For research use only .