

NCOR1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1121A

Specification

NCOR1 Antibody (N-term) - Product Information

Application	IF, WB, IHC-P,E
Primary Accession	O75376
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	270210
Antigen Region	16-47

NCOR1 Antibody (N-term) - Additional Information

Gene ID 9611

Other Names

Nuclear receptor corepressor 1, N-CoR, N-CoR1, NCOR1, KIAA1047

Target/Specificity

This NCOR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-47 amino acids from the N-terminal region of human NCOR1.

Dilution

IF~~1:10~50
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NCOR1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NCOR1 Antibody (N-term) - Protein Information

Name NCOR1

Synonyms KIAA1047

Function Mediates transcriptional repression by certain nuclear receptors (PubMed:[20812024](#)). Part of a complex which promotes histone deacetylation and the formation of repressive chromatin structures which may impede the access of basal transcription factors. Participates in the transcriptional repressor activity produced by BCL6. Recruited by ZBTB7A to the androgen response elements/ARE on target genes, negatively regulates androgen receptor signaling and androgen-induced cell proliferation (PubMed:[20812024](#)). Mediates the NR1D1-dependent repression and circadian regulation of TSHB expression (By similarity). The NCOR1-HDAC3 complex regulates the circadian expression of the core clock gene ARTNL/BMAL1 and the genes involved in lipid metabolism in the liver (By similarity).

Cellular Location

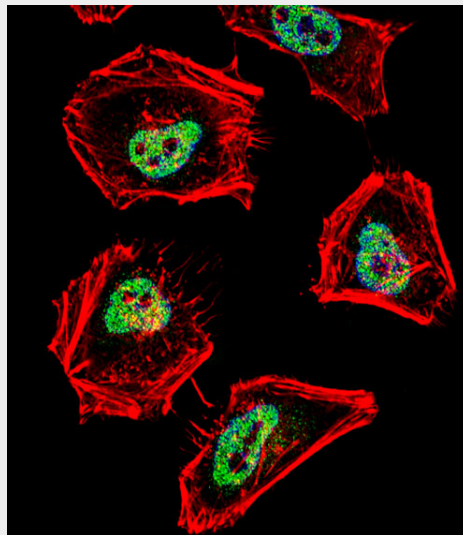
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00624}.

NCOR1 Antibody (N-term) - Protocols

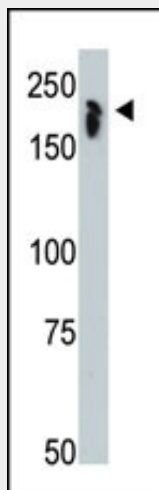
Provided below are standard protocols that you may find useful for product applications.

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

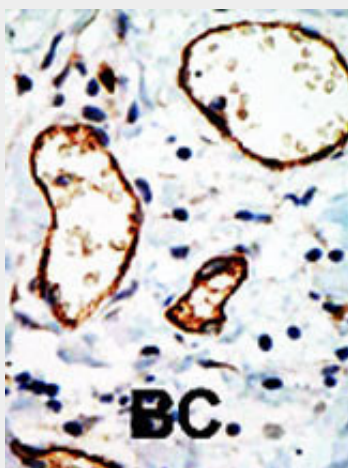
NCOR1 Antibody (N-term) - Images



Fluorescent confocal image of HeLa cell stained with (MOUSE) Ncor1 Antibody(Cat#AP1121a). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with Ncor1 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (10 µg/ml, 10 min). Ncor1 immunoreactivity is localized to nucleus significantly.



The anti-NCOR1 Pab (Cat. #AP1121a) is used in Western blot to detect NCOR1 in mouse thymus tissue lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

NCOR1 Antibody (N-term) - Background

NCOR1 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. The gene is located between the Charcot-Marie-Tooth and Smith-Magenis syndrome critical regions on chromosome 17. An alternatively spliced transcript variant has been described, but its full length sequence has not been determined.

NCOR1 Antibody (N-term) - References

- Tai, H.H., et al., *Biochem. Biophys. Res. Commun.* 308(1):170-176 (2003).
- Ishizuka, T., et al., *Mol. Cell. Biol.* 23(15):5122-5131 (2003).
- Loinder, K., et al., *J. Steroid Biochem. Mol. Biol.* 84(1):15-21 (2003).
- Wang, S., et al., *Oncogene* 21(55):8388-8396 (2002).
- Baek, S.H., et al., *Cell* 110(1):55-67 (2002).