10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

NCOR1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP1121a

Specification

NCOR1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O75376

NCOR1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9611

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody <a >AP1121a was selected from the N-term region of human NCOR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NCOR1 Antibody (N-term) Blocking Peptide - Protein Information

Name NCOR1

Synonyms KIAA1047

NCOR1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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).

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) Blocking Peptide - Protocols

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

- Blocking Peptides