

Datasheet for ABIN969310

**anti-NCOR1 antibody (AA 1-192)**[2 Images](#)[2 Publications](#)[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	NCOR1
Binding Specificity:	AA 1-192
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NCOR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Purified recombinant fragment of NCOR1 (aa1-192) expressed in E. coli.
Clone:	7A7A9
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	NCOR1
Alternative Name:	NCOR1 ( <a href="#">NCOR1 Products</a> )
Background:	Description: NCOR1: Nuclear receptor co-repressor 1. This gene encodes a protein that mediates ligand-independent transcription repression of thyroid-hormone and retinoic-acid

## Target Details

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. An alternatively spliced transcript variant has been described, but its full length sequence has not been determined.

Aliases: N-CoR, TRAC1, hN-CoR

Gene ID: 9611

HGNC: 9611

Pathways: [Nuclear Hormone Receptor Binding](#), [Chromatin Binding](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Gertych, Oh, Wawrowsky, Weisenberger, Tajbakhsh: "3-D DNA methylation phenotypes correlate with cytotoxicity levels in prostate and liver cancer cell models." in: **BMC pharmacology & toxicology**, Vol. 14, pp. 11, (2013) ([PubMed](#)).

Tajbakhsh: "Covisualization of methylcytosine, global DNA, and protein biomarkers for In Situ

3D DNA methylation phenotyping of stem cells." in: **Methods in molecular biology (Clifton, N.J.)**, Vol. 1052, pp. 77-88, (2013) ([PubMed](#)).

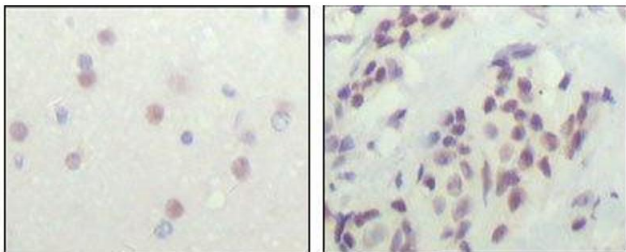
Fukuda, Ichiyangi, Yamada, Go, Udono, Wada, Maeda, Soejima, Saitou, Ito, Sasaki: "Regional DNA methylation differences between humans and chimpanzees are associated with genetic changes, transcriptional divergence and disease genes." in: **Journal of human genetics**, Vol. 58, Issue 7, pp. 446-54, (2013) ([PubMed](#)).

Kurita, Arai, Nakamoto, Kato, Niwa: "Determination of DNA methylation using electrochemiluminescence with surface accumulable coreactant." in: **Analytical chemistry**, Vol. 84, Issue 4, pp. 1799-803, (2012) ([PubMed](#)).

Kurita, Niwa: "DNA methylation analysis triggered by bulge specific immuno-recognition." in: **Analytical chemistry**, Vol. 84, Issue 17, pp. 7533-8, (2012) ([PubMed](#)).

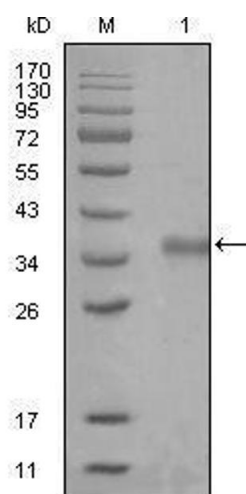
## Images

---



### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human cerebra (left) and breast carcinoma tissue (right), showing nuclear location with DAB staining using NCOR1 mouse mAb.



Western Blotting

**Image 2.** Western blot analysis using NCOR1 mouse mAb against truncated Trx-NCOR1 recombinant protein (1).