abcam

Product datasheet

Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade ab3482

2 Abreviews 7 References 4 Images

Overview

Product name	Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade
Description	Rabbit polyclonal to Nuclear Receptor Corepressor NCoR - ChIP Grade
Host species	Rabbit
Tested applications	**Suitable for:** IP, WB, ChIP, IHC-P, ICC/IF
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat, Xenopus laevis, Xenopus tropicalis
Immunogen	Synthetic peptide corresponding to Mouse Nuclear Receptor Corepressor NCoR aa 2427-2443. Sequence: PAPLLSAQYETLSDSDD (Peptide available as ab4997) Run BLAST with Run BLAST with
Positive control	HeLa cell extract, mouse RAW 264.7/primary macrophages.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab3482** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB	★★★★☆	Use a concentration of 1 µg/ml. Detects a band of approximately 270 kDa (predicted molecular weight: 270 kDa).Can be blocked with Nuclear Receptor Corepressor NCoR peptide (ab4997). By Western blot, this antibody detects a protein at ~270 kDa representing N-CoR from HeLa cell extracts and mouse RAW 264.7/primary macrophages.
ChIP		Use at an assay dependent concentration. reference Pubmed ID: 16930818
IHC-P	★★★★☆	1/200 - 1/1000.
ICC/IF		1/100 - 1/500.

Target

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.

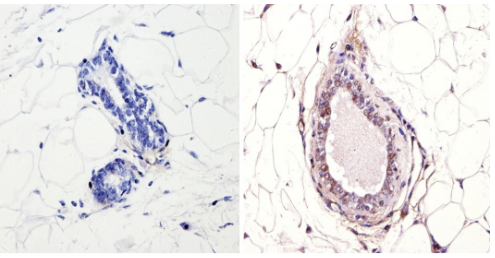
Sequence similarities
Belongs to the N-CoR nuclear receptor corepressors family.
Contains 2 SANT domains.

Domain
The N-terminal region contains three independent domains that are capable of mediating transcriptional repression (RD1, RD2 and RD3).
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.

Post-translational modifications
Ubiquitinated; mediated by SIAH2 and leading to its subsequent proteasomal degradation.

Cellular localization
Nucleus.

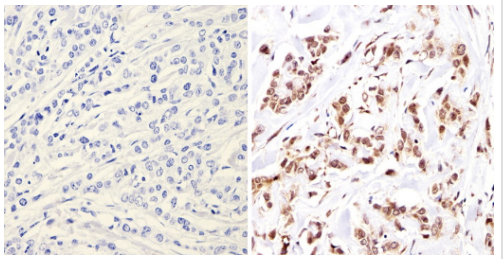
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade (ab3482)

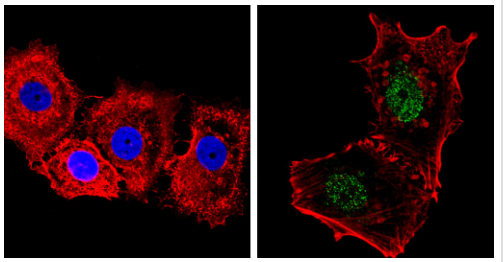
ab3482 labelling Nuclear Receptor Corepressor NCoR in the nucleus of Mouse breast tissue (right) compared with a negative control (left) by Immunohistochemistry (formalin/PFA-fixed paraffin-embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Tissue was blocked in 3% H2O2-methanol for 15 min at room temperature, then incubated with primary antibody (1:200 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and

xylene to prep for mounting.



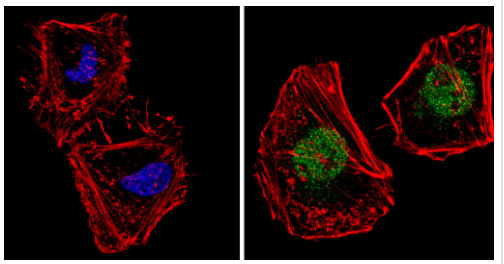
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade (ab3482)

ab3482 labelling Nuclear Receptor Corepressor NCoR in the nucleus of Human breast carcinoma (right) compared with a negative control (left) by Immunohistochemistry (formalin/PFA-fixed paraffin-embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Tissue was blocked in 3% H2O2-methanol for 15 min at room temperature, then incubated with primary antibody (1:200 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunocytochemistry/ Immunofluorescence - Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade (ab3482)

ab3482 labelling Nuclear Receptor Corepressor NCoR (green) in the nucleus and cytoplasm of MCF-7 cells by Immunocytochemistry/Immunofluorescence. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4 ºC. A DyLight-conjugated anti-rabbit was used as the secondary antibody. Red (phalloidin) - F-actin, Blue - nuclei. Images were taken at a magnification of 60x.



Immunocytochemistry/ Immunofluorescence - Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade (ab3482)

ab3482 labelling Nuclear Receptor Corepressor NCoR (green) in the nucleus and cytoplasm of HeLa cells by Immunocytochemistry/Immunofluorescence. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4 ºC. A DyLight-conjugated anti-rabbit was used as the secondary antibody. Red (phalloidin) - F-actin, Blue - nuclei. Images were taken at a magnification of 60x.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors