abcam

Product datasheet

Anti-Nuclear Receptor Corepressor NCoR antibody ab3482

2 Abreviews 15 References 4 Images

Overview

Product name	Anti-Nuclear Receptor Corepressor NCoR antibody
Description	Rabbit polyclonal to Nuclear Receptor Corepressor NCoR
Host species	Rabbit
Tested applications	**Suitable for:** ChIP, WB, IP, 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
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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

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

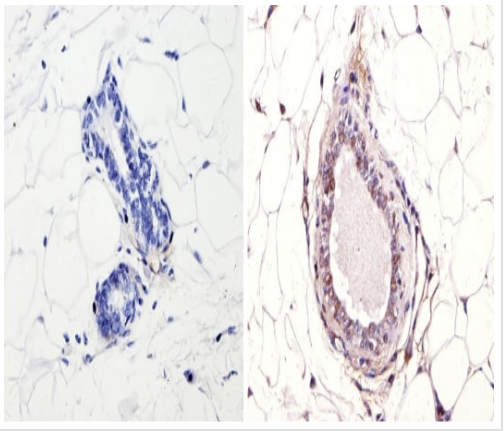
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIP		Use at an assay dependent concentration. Pubmed ID: 16930818.
WB	★★★★☆ (1)	Use at an assay dependent concentration. Predicted molecular weight: 270 kDa. 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.
IP		Use at an assay dependent concentration.
IHC-P	★★★★☆ (1)	1/200 - 1/1000.
ICC/IF		1/100 - 1/500.

Target

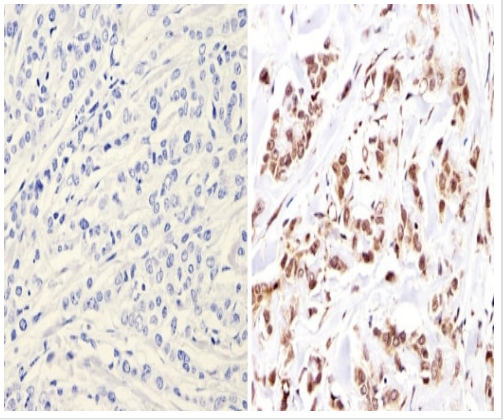
Function	Mediates transcriptional repression by certain nuclear receptors. Part of a complex which promotes histone deacetylation and the formation of repressive chromatin structures which may impede the access of basal transcription factors.
Sequence similarities	Belongs to the N-CoR nuclear receptor 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



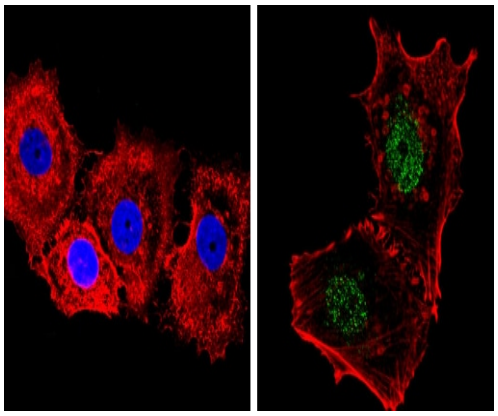
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade (ab3482)

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.



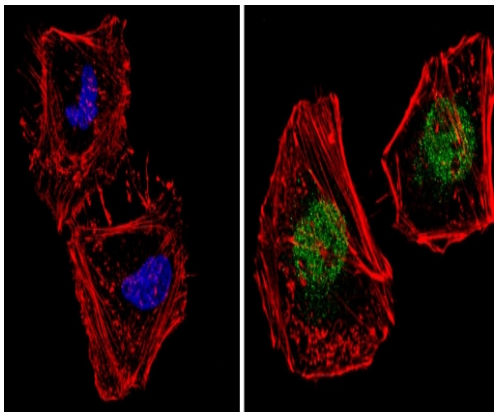
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Receptor Corepressor NCoR antibody - ChIP Grade (ab3482)

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.

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