

Anti-NCOR1 Antibody

Catalog # AP53721

Product Information

Application	WB, IF
Primary Accession	O75376
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	270210

Additional Information

Gene ID	9611
Other Names	KIAA1047; Nuclear receptor corepressor 1; N-CoR; N-CoR1
Target/Specificity	Recognizes endogenous levels of NCOR1 protein.
Dilution	WB~~1/500 - 1/1000 IF~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

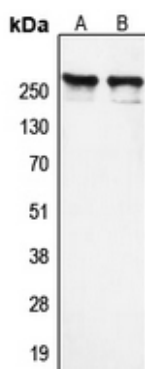
Protein Information

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}.

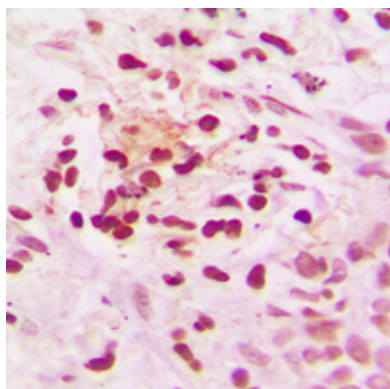
Background

Rabbit polyclonal antibody to NCOR1

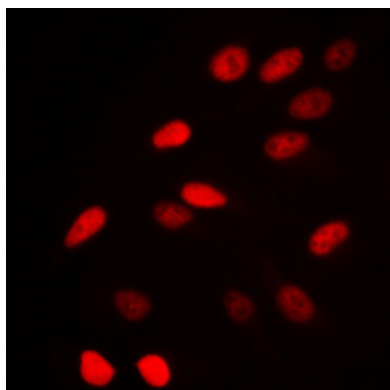
Images



Western blot analysis of NCOR1 expression in K562 (A), HeLa (B) whole cell lysates.



Immunohistochemical analysis of NCOR1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NCOR1 staining in HeLa cells. 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 probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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