Datasheet for ABIN651659

anti-Glucocorticoid Receptor antibody (AA 236-262)

3 Images

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Overview

Quantity:	400 µL
Target:	Glucocorticoid Receptor (NR3C1)
Binding Specificity:	AA 236-262
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This NR3C1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-262 amino acids from the Central region of human NR3C1.
Clone:	RB26744
Isotype:	Ig Fraction
Predicted Reactivity:	Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Glucocorticoid Receptor (NR3C1)

Target Details

Alternative Name:	NR3C1 (NR3C1 Products)
Background:	NR3C1 is a receptor for glucocorticoids that can act as both a transcription factor and as a regulator of other transcription factors. This protein can also be found in heteromeric cytoplasmic complexes along with heat shock factors and immunophilins. The protein is typically found in the cytoplasm until it binds a ligand, which induces transport into the nucleus. Mutations in this gene are a cause of glucocorticoid resistance, or cortisol, resistance. Alternate splicing, the use of at least three different promoters, and alternate translation initiation sites result in several transcript variants encoding the same protein or different isoforms, but the full-length nature of some variants has not been determined.
Molecular Weight:	85659
Gene ID:	2908
NCBI Accession:	NP_000167, NP_001018084, NP_001018085, NP_001018086, NP_001018087, NP_001018661, NP_001019265, NP_001191187, NP_001191188, NP_001191189, NP_001191190, NP_001191191, NP_001191192, NP_00119
UniProt:	P04150
Pathways:	Nuclear Receptor Transcription Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Regulation of Muscle Cell Differentiation, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

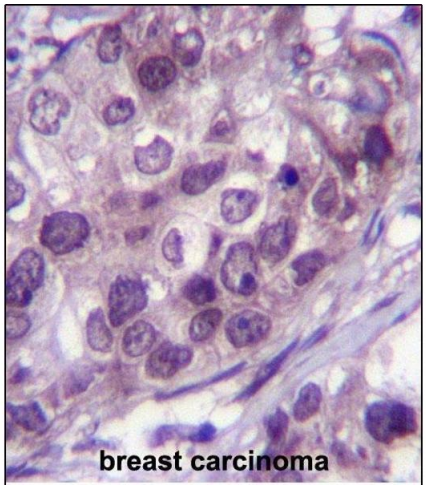
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

Handling

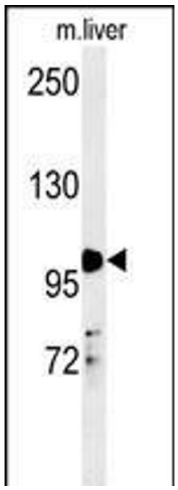
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images



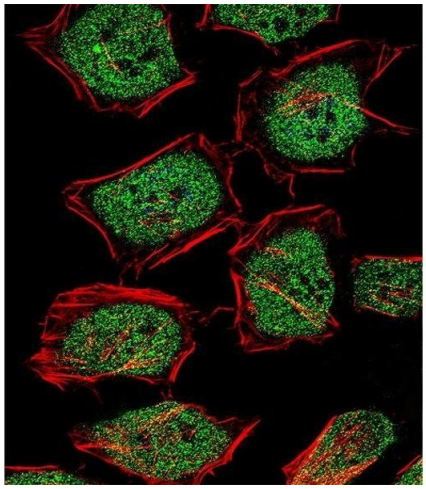
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. NR3C1 Antibody (Center) (ABIN651659 and ABIN2840347) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NR3C1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. NR3C1 Antibody (Center) (ABIN651659 and ABIN2840347) western blot analysis in mouse liver tissue lysates (35 µg/lane).This demonstrates the NR3C1 antibody detected NR3C1 protein (arrow).



Immunofluorescence

Image 3. Fluorescent confocal image of Hela cell stained with NR3C1 Antibody (Center) (ABIN651659 and ABIN2840347). Hela cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with NR3C1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DI (blue) (10 µg/mL, 10 min). NR3C1 immunoreactivity is localized to Cytoplasm and Nucleus significantly.

