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Datasheet for ABIN1537931

anti-Retinoic Acid Receptor beta antibody (AA 168-195)

2 Images

Overview

Quantity:	400 µL
Target:	Retinoic Acid Receptor beta (RARβ)
Binding Specificity:	AA 168-195
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Retinoic Acid Receptor beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This RARβ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-195 amino acids from the Central region of human RARβ.
Clone:	RB24881
Isotype:	Ig Fraction
Predicted Reactivity:	C, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Retinoic Acid Receptor beta (RARβ)
Alternative Name:	RARβ (RARβ Products)

Target Details

Background: This gene encodes retinoic acid receptor beta, a member of the thyroid-steroid hormone receptor superfamily of nuclear transcriptional regulators. This receptor localizes to the cytoplasm and to subnuclear compartments. It binds retinoic acid, the biologically active form of vitamin A which mediates cellular signalling in embryonic morphogenesis, cell growth and differentiation. It is thought that this protein limits growth of many cell types by regulating gene expression. The gene was first identified in a hepatocellular carcinoma where it flanks a hepatitis B virus integration site. The gene expresses at least two transcript variants, one additional transcript has been described, but its full length nature has not been determined. [provided by RefSeq].

Molecular Weight: 50489

Gene ID: 5915

NCBI Accession: [NP_000956](#), [NP_057236](#)

UniProt: [P10826](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Retinoic Acid Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

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

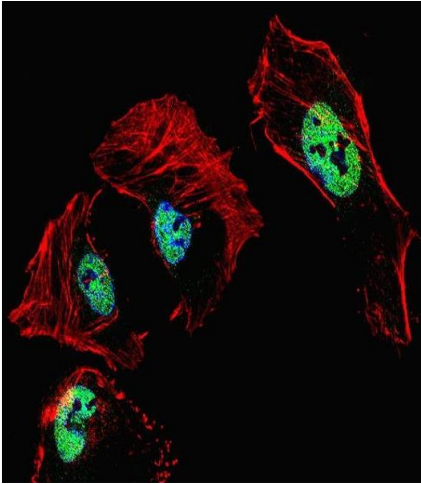
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

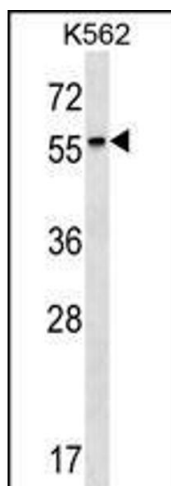
Storage Comment: RARB Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Immunofluorescence

Image 1. Fluorescent confocal image of HeLa cell stained with RARB Antibody (Center) (ABIN1537931 and ABIN2849656). HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with RARB 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 DAPI (blue) (10 µg/mL, 10 min). RARB immunoreactivity is localized to nucleus significantly.



Western Blotting

Image 2. RARB Antibody (Center) (ABIN1537931 and ABIN2849656) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the RARB antibody detected the RARB protein (arrow).