

Datasheet for ABIN2792621

## anti-Retinoic Acid Receptor alpha antibody (Middle Region)



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### 3 Images

#### Overview

Quantity:	100 µL
Target:	Retinoic Acid Receptor alpha (RARA)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Retinoic Acid Receptor alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RARA
Sequence:	EMLENSEGLD TLGQPGGGG RDGGGLAPPP GSCSPSLSPS SNRSSPATHS
Cross-Reactivity:	Dog (Canine), Chicken, Human, Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 85%, Rabbit: 100%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against RARA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	Retinoic Acid Receptor alpha (RARA)
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## Target Details

Alternative Name:	RAR-alpha / RARA ( <a href="#">RARA Products</a> )
Background:	<p>Retinoid signaling is transduced by 2 families of nuclear receptors, retinoic acid receptor (RAR) and retinoid X receptor, which form RXR/RAR heterodimers. In the absence of ligand, DNA-bound RXR/RARA represses transcription by recruiting the corepressors NCOR1, SMRT, and histone deacetylase. When ligand binds to the complex, it induces a conformational change allowing the recruitment of coactivators, histone acetyltransferases, and the basic transcription machinery.</p> <p>Alias Symbols: NR1B1, RAR</p> <p>Protein Interaction Partner: NCOR2, NCOR1, RXRG, MED1, HDAC1, NRIP1, TEKT4, NSD1, NCOA1, CEBPA, ITGB1BP2, SUMO1, UBC, MBD3, CBX5, MTA2, E2F1, WWOX, Sumo2, RXRB, RXRA, AKT1, MMS19, Dlg4, TMEM54, FN1, USP7, NCOA2, SUZ12, EZH2, PML, PSMC5, FAS, PRAM1, TBL1XR1, PRAME, ARID5A, UBE3A, UBQL</p> <p>Protein Size: 462</p>
Molecular Weight:	51 kDa
Gene ID:	5914
NCBI Accession:	<a href="#">NM_000964</a> , <a href="#">NP_000955</a>
UniProt:	<a href="#">P10276</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">S100 Proteins</a>

## Application Details

Application Notes:	<p>WB Suggested Anti-RARA Antibody Titration: 0.2-1 µg/mL</p> <p>ELISA Titer: 1:312500</p> <p>Positive Control: OVCAR-3 cell lysate.</p> <p>Optimal working dilutions should be determined experimentally by the investigator.</p>
Comment:	Antigen size: 462 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
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Handling

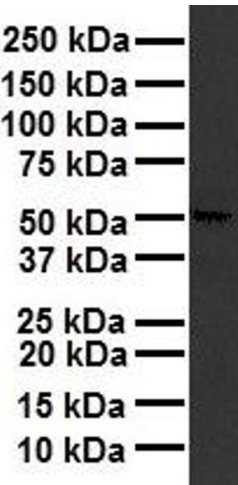
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



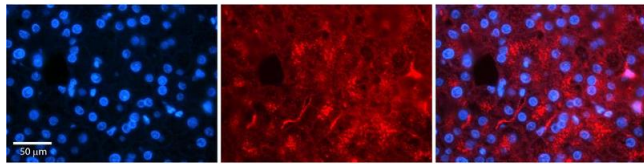
**Western Blotting**

**Image 1.** WB Suggested Anti-RARA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: OVCAR-3 cell lysate RARA is supported by BioGPS gene expression data to be expressed in OVCAR3



**Western Blotting**

**Image 2.** WB Suggested Anti-RARA antibody Titration: 1 ug/mL Sample Type: Human liver



### Immunohistochemistry

**Image 3.** Rabbit Anti-RARA Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult liver Observed Staining: Cytoplasmic (abundant), Nuclear (very rare) Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.