

Datasheet for ABIN1881728

**anti-Retinoic Acid Receptor beta antibody (AA 160-188)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| Quantity:            | 400 µL                                                     |
| Target:              | Retinoic Acid Receptor beta (RARβ)                         |
| Binding Specificity: | AA 160-188                                                 |
| Reactivity:          | Human                                                      |
| Host:                | Rabbit                                                     |
| Clonality:           | Polyclonal                                                 |
| Conjugate:           | This Retinoic Acid Receptor beta antibody is un-conjugated |
| Application:         | Western Blotting (WB)                                      |

## Product Details

|                       |                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | This RARB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-188 amino acids from the Central region of human RARB. |
| Clone:                | RB42808                                                                                                                                                           |
| Isotype:              | Ig Fraction                                                                                                                                                       |
| Predicted Reactivity: | 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: | RARB ( <a href="#">RARβ Products</a> ) |

## Target Details

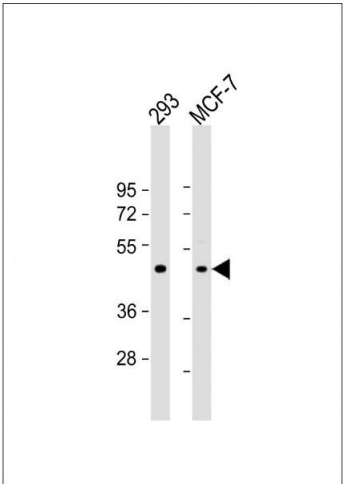
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function. |
| Molecular Weight: | 50489                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Accession:   | <a href="#">NP_000956</a> , <a href="#">NP_057236</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt:          | <a href="#">P10826</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pathways:         | <a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | 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                                                                                                            |
| Expiry Date:       | 6 months                                                                                                               |



Western Blotting

**Image 1.** All lanes : Anti-RARB Antibody (Center) at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.