

# RARB Monoclonal antibody

Catalog Number: 60119-1-Ig

## Basic Information

<b>Catalog Number:</b> 60119-1-Ig	<b>GenBank Accession Number:</b> BC060794	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 5915	<b>CloneNo.:</b> 3G9F11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P10826	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Isotype:</b> IgG1	<b>Full Name:</b> retinoic acid receptor, beta	
<b>Immunogen Catalog Number:</b> AG6013	<b>Calculated MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF7 cells,
<b>Species Specificity:</b> human	

## Background Information

Retinoic acid receptors (RARs) are important mediators of retinoid signaling in morphogenesis, development, and cell differentiation. 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 [PMID:12554770]. They can 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, they act mainly as activators of gene expression due to weak binding to corepressors. In concert with RARG, RARs are required for skeletal growth, matrix homeostasis and growth plate function. RARB is one isotypes of RARs [PMID:12834868]

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

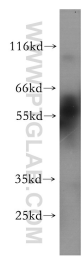
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# Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 60119-1-Ig (RARB antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.