

# RORA Recombinant antibody, PBS Only

Catalog Number: 82930-1-PBS

## Basic Information

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|--|--|---|
| <b>Catalog Number:</b><br>82930-1-PBS      | <b>GenBank Accession Number:</b><br>BC008831       | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1mg/ml                     | <b>GeneID (NCBI):</b><br>6095                      | <b>CloneNo.:</b><br>230217G6                          |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P35398                       |   |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>RAR-related orphan receptor A |   |
| <b>Immunogen Catalog Number:</b><br>AG0944 | <b>Calculated MW:</b><br>59 kDa                    |   |
|  | <b>Observed MW:</b><br>60-66 kDa                   |   |

## Applications

**Tested Applications:**  
WB, IF, IHC, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

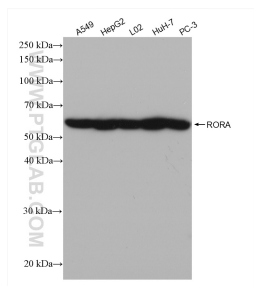
RORA is a steroid hormone receptor and has been implicated in the pathology of circadian rhythms, bone growth, angiogenesis, development of cones, cellular metabolism and a mediator in the immune and lipid metabolism pathways [PMID:21998696]. It binds DNA as a monomer to hormone response elements (HRE) containing a single core motif half-site preceded by a short A-T-rich sequence, which binds to the consensus sequence 5'-[AT][TA]A[AT][CGT]TAGGTCA-3'. Regulates a number of genes involved in lipid metabolism such as apolipoproteins AI, APOA5, CIII, CYP71 and PPAR gamma, in cerebellum and photoreceptor development including PCP2, OPN1SW, OPN1SM and ARR3, in circadian rhythm with BMAL1, and skeletal muscle development with MYOD1 [PMID:11053433,14570920].

## Storage

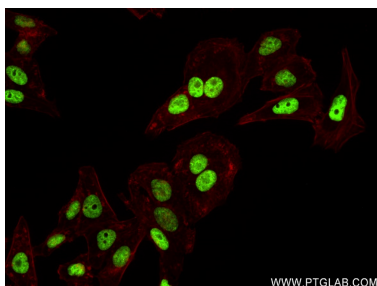
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

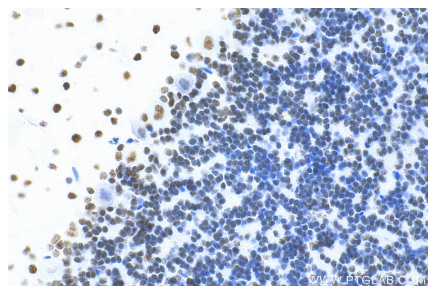
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82930-1-RR (RORA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82930-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RORA antibody (82930-1-RR, Clone: 230217G6) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 82930-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 82930-1-RR (RORA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82930-1-PBS in a different storage buffer formulation.