

For Research Use Only

# RORA Polyclonal antibody

Catalog Number: 10616-1-AP

Featured Product

14 Publications



## Basic Information

<b>Catalog Number:</b> 10616-1-AP	<b>GenBank Accession Number:</b> BC008831	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6095	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> RAR-related orphan receptor A	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 59 kDa	
<b>Immunogen Catalog Number:</b> AG0944	<b>Observed MW:</b> 65-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : DU 145 cells, HeLa cells, PC-3 cells, K-562 cells, Jurkat cells, L02 cells, SMMC-7721 cells
<b>Cited Applications:</b> IHC, IP, WB	
<b>Species Specificity:</b> human, mouse , rat	
<b>Cited Species:</b> human, rat, mouse	

## 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].

## Notable Publications

Author	Pubmed ID	Journal	Application
Guohua Ji	31585206	Free Radic Biol Med	WB
Qifeng Li	34862127	Int Immunopharmacol	WB
Bin Dai	29213214	Cancer Cell Int	WB

## Storage

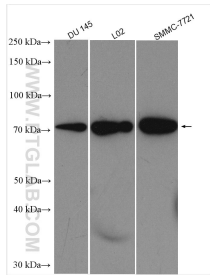
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10616-1-AP (RORA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.