

For Research Use Only

RORA Polyclonal antibody

Catalog Number: 10616-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

10616-1-AP

Size:

150ul, Concentration: 600 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0944

GenBank Accession Number:

BC008831

GeneID (NCBI):

6095

UNIPROT ID:

P35398

Full Name:

RAR-related orphan receptor A

Calculated MW:

59 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : DU 145 cells, HeLa cells, PC-3 cells, K-562 cells, Jurkat cells, L02 cells, SMMC-7721 cells

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

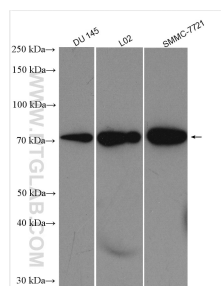
For technical support and original validation data for this product please contact:

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.