

For Research Use Only

RORA Recombinant antibody, PBS Only

Catalog Number:82930-1-PBS



Basic Information

Catalog Number: 82930-1-PBS	GenBank Accession Number: BC008831	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 6095	CloneNo.: 230217G6
Source: Rabbit	UNIPROT ID: P35398	
Isotype: IgG	Full Name: RAR-related orphan receptor A	
Immunogen Catalog Number: AG0944	Calculated MW: 59 kDa	
	Observed MW: 60-66 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

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

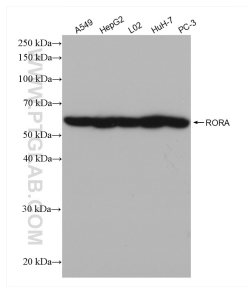
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

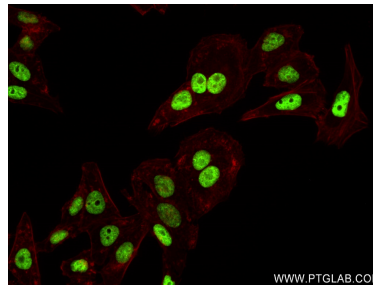
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

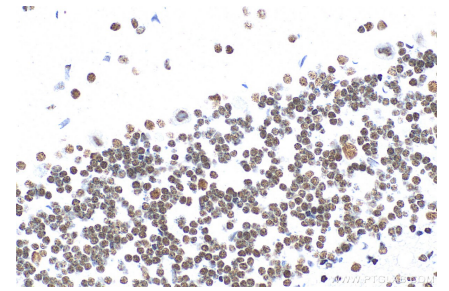
Selected Validation Data



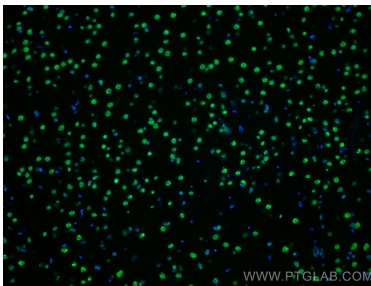
Various lysates were subjected to SDS PAGE followed by western blot with 82930-1-RR (RORA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82930-1-PBS in a different storage buffer formulation.



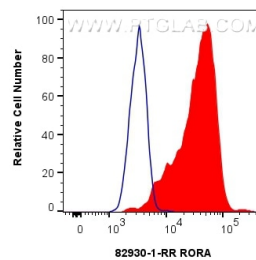
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RORA antibody (82930-1-RR, Clone: 230217G6) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 82930-1-PBS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



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using RORA antibody (82930-1-RR, Clone: 230217G6) at dilution of 1:350 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). 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.



1×10^6 HeLa cells were intracellularly stained with 0.4 ug RORA Recombinant antibody (82930-1-RR, Clone:230217G6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 82930-1-PBS in a different storage buffer formulation.