

For Research Use Only

# RORB Polyclonal antibody

Catalog Number: 17635-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 17635-1-AP	<b>GenBank Accession Number:</b> BC051830	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6096	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> RAR-related orphan receptor B	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 459 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG11910	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : Y79 cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue
<b>Cited Applications:</b> IF	<b>IP :</b> mouse brain tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse brain tissue,
<b>Cited Species:</b> mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Nuclear receptors (NRs) are a large group of ligand-inducible transcription factors that regulate many facets of mammalian Physiology [PMID:22189870]. In addition, NRs that lack identified ligands and are termed orphan receptors. RORB is a transcription factor and belongs to the nuclear receptor family [PMID:7935491], which share a common modular structure composed of a transactivation domain, a DNA-binding domain, and a ligand-binding. Its function as transcriptional factor is regulated by small lipophilic molecules, such as steroid hormones, vitamin D, retinoic acids, and thyroid hormone [PMID:17431400].

## Notable Publications

Author	Pubmed ID	Journal	Application
Chao Wang	33831349	Neuron	IF
Natalia Galindo-Riera	34272258	eNeuro	IF
Wenny Wong	37540708	PLoS Biol	IF

## Storage

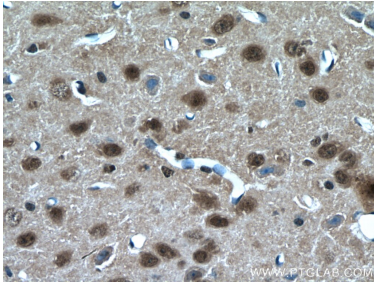
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

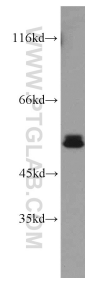
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

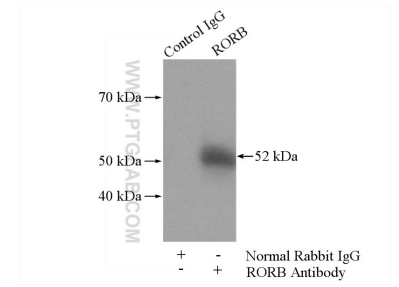
## Selected Validation Data



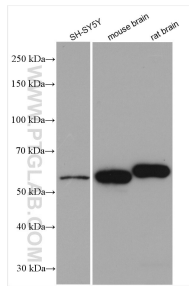
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17635-1-AP (RORB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Y79 cells were subjected to SDS PAGE followed by western blot with 17635-1-AP (RORB antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP Result of anti-RORB (IP:17635-1-AP, 4ug; Detection:17635-1-AP 1:300) with mouse brain tissue lysate 3440ug.



Various lysates were subjected to SDS PAGE followed by western blot with 17635-1-AP (RORB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.