

For Research Use Only

# RORB Polyclonal antibody

Catalog Number: 17635-1-AP

5 Publications



## Basic Information

### Catalog Number:

17635-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11910

### GenBank Accession Number:

BC051830

### GeneID (NCBI):

6096

### UNIPROT ID:

Q92753

### Full Name:

RAR-related orphan receptor B

### Calculated MW:

459 aa, 52 kDa

### Observed MW:

52 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:1000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IF, ChIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB: Y79 cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue

IP: mouse brain tissue,

IHC: mouse brain tissue,

**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 are termed orphan receptors. RORB is a transcription factor and belongs to the nuclear receptor family (PMID: 7935491), which shares a common modular structure composed of a transactivation domain, a DNA-binding domain, and a ligand-binding. Its function as the 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
He-Yan Li	40082769	BMC Genomics	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

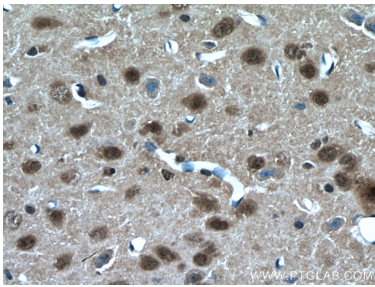
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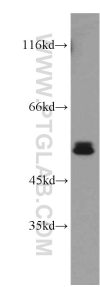
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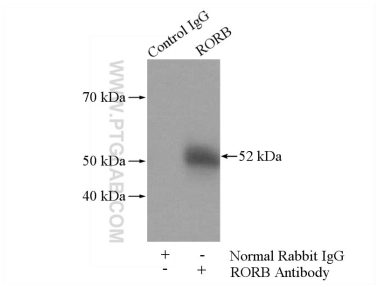
Selected Validation Data



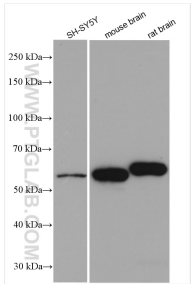
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17635-1-AP (RORB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.