

For Research Use Only

# RORB Recombinant antibody

Catalog Number: 85404-4-RR



## Basic Information

Catalog Number:

85404-4-RR

Concentration:

1000 µg/ml

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:

Protein A purification

CloneNo.:

242832D9

Recommended Dilutions:

WB: 1:5000-1:15000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse retina tissue, rat retina tissue

## 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).

## 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

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

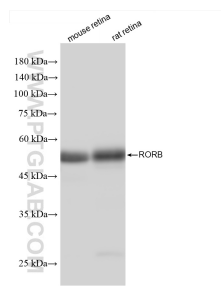
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

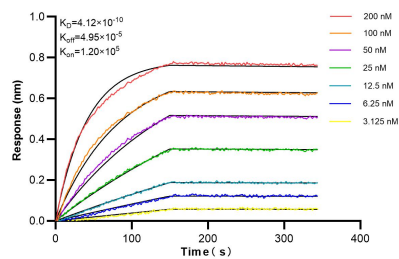
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85404-4-RR (RORB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85404-4-RR against Human RORB were performed. The affinity constant is 0.412 nM.