

**Rorb antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12596****Specification**

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**Rorb antibody - N-terminal region - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q8R1B8</a>  |
| Other Accession   | <a href="#">NM_001043354</a> , <a href="#">AAH24842</a>                                       |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Sheep, Horse, Yeast, Bovine, Guinea Pig, Dog |
| Predicted         | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Sheep, Horse, Bovine, Guinea Pig, Dog     |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Calculated MW     | 41kDa KDa   |

**Rorb antibody - N-terminal region - Additional Information****Gene ID** 225998**Alias Symbol** MGC38728, Nr1f2, RZR-beta, RZRB, Rorbeta**Other Names**

Nuclear receptor ROR-beta, Nuclear receptor RZR-beta, Nuclear receptor subfamily 1 group F member 2, Retinoid-related orphan receptor-beta, Rorb, Nr1f2

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Rorb antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Rorb antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Rorb antibody - N-terminal region - Protein Information****Name** Rorb**Synonyms** Nr1f2**Function**

Nuclear receptor that binds DNA as a monomer to ROR response elements (RORE) containing a

single core motif half-site 5'-AGGTCA-3' preceded by a short A-T-rich sequence. Considered to have intrinsic transcriptional activity, have some natural ligands such as all-trans retinoic acid (ATRA) and other retinoids which act as inverse agonists repressing the transcriptional activity. Required for normal postnatal development of rod and cone photoreceptor cells. Modulates rod photoreceptors differentiation at least by inducing the transcription factor NRL-mediated pathway. In cone photoreceptor cells, regulates transcription of OPN1SW. Involved in the regulation of the period length and stability of the circadian rhythm. May control cytoarchitectural patterning of neocortical neurons during development. May act in a dose-dependent manner to regulate barrel formation upon innervation of layer IV neurons by thalamocortical axons. May play a role in the suppression of osteoblastic differentiation through the inhibition of RUNX2 transcriptional activity.

**Cellular Location**

Nucleus. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q92753}

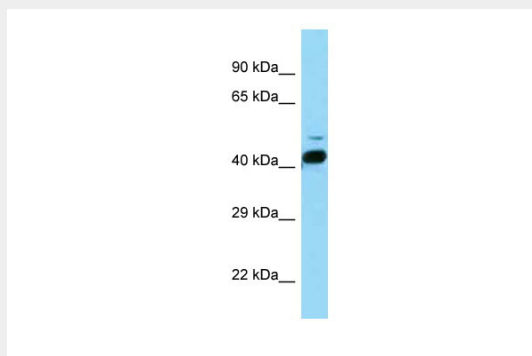
**Tissue Location**

Expressed in inner and outer neuroblastic layer as well as in the ganglion cell layer of the developing retina. Expressed in bone marrow osteoprogenitor cells.

**Rorb antibody - N-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Rorb antibody - N-terminal region - Images**

WB Suggested Anti-Rorb Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Brain