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Rorb antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12596

Product Information

Application	WB
Primary Accession	Q8R1B8
Other Accession	NM_001043354, AAH24842
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53118

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.

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.

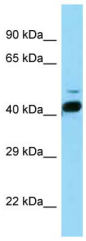
Cellular Location

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.

Images



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