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Datasheet for ABIN7161878
anti-RORB antibody (AA 1-269) (Biotin)

Overview

Quantity:	100 µL
Target:	RORB
Binding Specificity:	AA 1-269
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RORB antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Nuclear receptor ROR-beta protein (1-269AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	RORB
Alternative Name:	RORB (RORB Products)
Background:	Background: 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

Target Details

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 (By similarity).

Aliases: bA133M9.1 antibody, NR1F2 antibody, Nuclear receptor ROR-beta antibody, Nuclear receptor RZR beta antibody, Nuclear receptor RZR-beta antibody, Nuclear receptor subfamily 1 group F member 2 antibody, OTTHUMP00000021486 antibody, RAR related orphan receptor B antibody, RAR related orphan receptor beta antibody, Retinoic acid binding receptor beta antibody, Retinoid-related orphan receptor-beta antibody, ROR BETA antibody, Rorb antibody, RORB_HUMAN antibody, RZR BETA antibody, RZRB antibody

UniProt: [Q92753](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.