

## Product datasheet for **CF806859**

### ROR beta (RORB) Mouse Monoclonal Antibody [Clone ID: OTI4B12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4B12
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-260 of human RORB(NP_008845) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51.9 kDa
Gene Name:	RAR related orphan receptor B
Database Link:	<a href="#">NP_008845</a> <a href="#">Entrez Gene 225998</a> <a href="#">MouseEntrez Gene 309288</a> <a href="#">RatEntrez Gene 6096</a> <a href="#">Human Q92753</a>



[View online »](#)

**Background:**

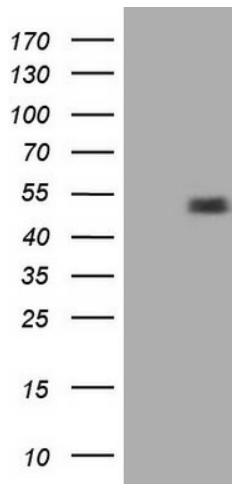
The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It is a DNA-binding protein that can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, and to help regulate the expression of some genes involved in circadian rhythm. [provided by RefSeq, Feb 2014]

**Synonyms:**

bA133M9.1; NR1F2; ROR-BETA; RZR-BETA; RZRB

**Protein Families:**

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RORB ([RC208666], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RORB. Positive lysates [LY402058] (100ug) and [LC402058] (20ug) can be purchased separately from OriGene.