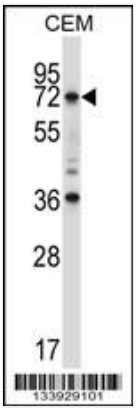
RORC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RORC, Polyclonal Antibody
Full Product Name	RORC, ID (RORC, NR1F3, RORG, RZRG, Nuclear receptor ROR-gamma, Nuclear receptor RZR-gamma, Nuclear receptor subfamily 1 group F member 3, Retinoid-related orphan receptor-gamma) (PE)
Product Gene Name	anti-RORC antibody
Product Synonym Names	RORC; NR1F3; RORG; RZRG; Nuclear receptor ROR-gamma; Nuclear receptor RZR-gamma; Nuclear receptor subfamily 1 group F member 3; Retinoid-related orphan receptor-gamma
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	58,195 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (151778547..151804348, complement). Location: 1q21
OMIM	602943
3D Structure	ModBase 3D Structure for P51449
Immunogen	RORC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-216 amino acids from the Central region of human RORC.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-RORC antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-RORC antibody	Western Blot (WB), FLISA
Application Notes for anti-RORC antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RORC antibody	The protein encoded by this gene is a DNA-binding transcription factor and is a member of the NR1 subfamily of nuclear hormone receptors. The specific functions of this protein are not known; however, studies of a similar gene in mice have shown that this gene may be essential for lymphoid organogenesis and may play an important regulatory role in thymopoiesis. In addition, studies in mice suggest that the protein encoded by this gene may inhibit the expression of Fas ligand and IL2. Two transcript variants encoding different isoforms have been found for this gene.

Product References and Citations for anti-RORC antibody	Wang, Y., et al. Biochim. Biophys. Acta 1801(8):917-923(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Burgler, S., et al. J. Immunol. 184(11):6161-6169(2010). Jin, L., et al. Mol. Endocrinol. 24(5):923-929(2010). Wang, W.J., et al. J. Reprod. Immunol. 84(2):164-170(2010).
Other Notes	Small volumes of anti-RORC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RORC purchase	MBS6343137 is an antibody targeting RORC. Also known as RORC, ID (RORC, NR1F3, RORG, RZRG, Nuclear receptor ROR-gamma, Nuclear receptor RZR-gamma, Nuclear receptor subfamily 1 group F member 3, Retinoid-related orphan receptor-gamma) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RORC antibody
RORC Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the RORC antibody detected the RORC protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RORC. It may not necessarily be applicable to this product.

NCBI GI #	48255918
NCBI GeneID	6097
NCBI Accession #	NP_001001523.1
NCBI Related Accession #	NP_005051.2
UniProt Primary Accession #	P51449
UniProt Secondary Accession #	Q5SZR9; Q8N5V7; Q8NCY8
UniProt Related Accession #	P51449
GenBank Nucleotide #	NM_001001523.1
NCBI Official Full Name	nuclear receptor ROR-gamma isoform b
NCBI Official Synonym Full Names	RAR-related orphan receptor C
NCBI Official Symbol	RORC
NCBI Official Synonym Symbols	TOR; RORG; RZRG; NR1F3; RZR-GAMMA
UniProt Protein Name	Nuclear receptor ROR-gamma
UniProt Synonym Protein Names	Nuclear receptor RZR-gamma; Nuclear receptor subfamily 1 group F member 3; Retinoid-related orphan receptor-gamma
Protein Family	Nuclear receptor
UniProt Gene Name	RORC
UniProt Synonym Gene Names	NR1F3; RORG; RZRG

UniProt Entry Name	RORG_HUMAN
NCBI Protein Information	nuclear receptor ROR-gamma; nuclear receptor RZR-gamma; retinoic acid-binding receptor gamma; retinoid-related orphan receptor gamma; RAR-related orphan receptor C, isoform a; RAR-related orphan nuclear receptor variant 2; nuclear receptor subfamily 1 gro
UniProt Comments for RORC	RORC: Possible nuclear receptor for hydroxycholesterols, the binding of which strongly promotes coactivators recruitment. Essential for thymopoiesis and the development of several secondary lymphoid tissues, including lymph nodes. Involved in lineage specification of uncommitted CD4(+) T-helper cells into Th17 cells. Regulate the expression of several components of the circadian clock. Belongs to the nuclear hormone receptor family. NR1 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Nuclear receptor; Transcription factor Chromosomal Location of Human Ortholog: 1q21 Cellular Component: nucleoplasm; nucleus Molecular Function: protein binding; ligand-dependent nuclear receptor activity; DNA binding; zinc ion binding; sequence-specific DNA binding; steroid hormone receptor activity; oxysterol binding; transcription factor activity Biological Process: Peyer's patch development; transcription initiation from RNA polymerase II promoter; intracellular receptor-mediated signaling pathway; T-helper cell differentiation; regulation of fat cell differentiation; positive regulation of transcription, DNA-dependent; T cell differentiation in the thymus; positive regulation of circadian rhythm; lymph node development; protein amino acid phosphorylation; regulation of gamma-delta T cell differentiation; xenobiotic metabolic process; regulation of steroid metabolic process; steroid hormone mediated signaling; gene expression; circadian regulation of gene expression
Research Articles on RORC	**1.** SULT2A1 as a novel ROR-alpha and ROR-gamma target gene.
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