SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-ROR Gamma , Alexa Fluor® 680 conjugated antibody

Catalog Number: SL6217R-AF680

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ROR Gamma, Bodipy Fluor 680 conjugated
Immunogen:	KLH conjugated synthetic peptide derived from human RORG: 415-518/518
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=1ug/test IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Dog,Pig,Cow,Horse)
Predicted MW.:	57kDa
Subcellular Location:	The nucleus
Background:	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. [provided by RefSeq, Jul 2008]. **Function:** 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Nucleus (Probable). **Tissue Specificity:** Isoform 1: widely expressed in many tissues, including liver and adipose, and highly expressed in skeletal muscle. Isoform 2: Primarily expressed in immature thymocytes. **Similarity:** Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain. **Database links:** **Entrez Gene:** 6097 Human **Entrez Gene:** 19885 Mouse **Entrez Gene:** 368158 Rat Omim: 602943 Human **SwissProt:** P51449 Human **SwissProt:** P51450 Mouse **Unigene:** 256022 Human **Unigene:** 607993 Human **Unigene:** 4372 Mouse

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