# RARRES3 Antibody (Center) Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | RARRES3, Blocking Peptide |
| **Full Product Name** | RARRES3 Antibody (Center) Blocking Peptide |
| **Product Gene Name** | RARRES3 blocking peptide |
| **Product Synonym Gene Name** | RIG1; TIG3 |
| **Product Synonym Names** | Retinoic acid receptor responder protein 3; 311-; HRAS-like suppressor 4; HRSL4; RAR-responsive protein TIG3; Retinoid-inducible gene 1 protein; Tazarotene-induced gene 3 protein; RARRES3; RIG1; TIG3 |
| **Form/Format** | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C. |
| **Antibody/Peptide Pairs** | RARRES3 peptide (MBS9223802) is used for blocking the activity of RARRES3 antibody (MBS9214911) |
| **Molecular Weight** | 17,436 Da |
| **OMIM** | 605092 |
| **Cellular Location** | Membrane; Single-pass membrane protein |
| **Tissue Location** | Widely expressed. |
| **Related Product Information for RARRES3 blocking peptide** | Exhibits PLA1/2 activity, catalyzing the calcium- independent hydrolysis of acyl groups in various phosphotidylcholines (PC) and phosphatidylethanolamine (PE). For most substrates, PLA1 activity is much higher than PLA2 activity. N- and O-acylation activity is hardly detectable. |
| **Other Notes** | Small volumes of RARRES3 blocking peptide 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 RARRES3 purchase** | MBS9223802 is a blocking peptide targeting RARRES3. Also known as RARRES3 Antibody (Center) Blocking Peptide. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RARRES3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 20140910 |
| **NCBI GeneID** | 5920 |
| **NCBI Accession #** | Q9UL19.1 |
| **UniProt Primary Accession #** | Q9UL19 |
| **UniProt Secondary Accession #** | O95200; B2R599; B4DDW2; E7ENZ7 |
| **UniProt Related Accession #** | Q9UL19 |
| **NCBI Official Full Name** | Retinoic acid receptor responder protein 3 |
| **NCBI Official Synonym Full Names** | retinoic acid receptor responder 3 |
| **NCBI Official Symbol** | RARRES3 |
| **NCBI Official Synonym Symbols** | RIG1; TIG3; HRSL4; HRASLS4; PLA1/2-3 |

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| **UniProt Protein Name** | Retinoic acid receptor responder protein 3 |
| **UniProt Synonym Protein Names** | HRAS-like suppressor 4; HRSL4; RAR-responsive protein TIG3; Retinoid-inducible gene 1 protein; Tazarotene-induced gene 3 protein |
| **Protein Family** | Retinoic acid receptor responder protein |
| **UniProt Gene Name** | RARRES3 |
| **UniProt Synonym Gene Names** | RIG1; TIG3; HRSL4 |
| **UniProt Entry Name** | HRSL4_HUMAN |
| **NCBI Protein Information** | retinoic acid receptor responder protein 3 |
| **NCBI Summary for RARRES3** | Retinoids exert biologic effects such as potent growth inhibitory and cell differentiation activities and are used in the treatment of hyperproliferative dermatological diseases. These effects are mediated by specific nuclear receptor proteins that are members of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. RARRES1, RARRES2, and RARRES3 are genes whose expression is upregulated by the synthetic retinoid tazarotene. RARRES3 is thought act as a tumor suppressor or growth regulator. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for RARRES3** | RARRES3: Exhibits PLA1/2 activity, catalyzing the calcium- independent hydrolysis of acyl groups in various phosphotidylcholines (PC) and phosphatidylethanolamine (PE). For most substrates, PLA1 activity is much higher than PLA2 activity. N- and O-acylation activity is hardly detectable. Belongs to the H-rev107 family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Cell cycle regulation; EC 3.1.1.-<br><br>Chromosomal Location of Human Ortholog: 11q23<br><br>Molecular Function: phospholipase A2 activity; protein binding<br><br>Biological Process: phospholipid metabolic process |
| **Research Articles on RARRES3** | **1.** These observations highlight the importance of RIG-I signaling in anti-HIV innate immunity in macrophages, which may be beneficial for the treatment of HIV and aid in the understanding of the neuropathogenesis of HAND. |
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