

RARRES3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18840c**Specification**

RARRES3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UL19](#)**RARRES3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5920**Other 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RARRES3 Antibody (Center) Blocking Peptide - Protein Information**Name** PLAAT4 ([HGNC:9869](#))**Synonyms** RARRES3, RIG1, TIG3**Function**

Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:19615464, PubMed:22605381, PubMed:22825852, PubMed:26503625). Shows phospholipase A1 (PLA1) and A2 (PLA2), catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids (PubMed:19615464, PubMed:22605381, PubMed:22825852). For most substrates, PLA1 activity is much higher than PLA2 activity (PubMed:19615464). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed:<a

[19615464](http://www.uniprot.org/citations/19615464)). Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC) and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE), forming N- acylphosphatidylethanolamine (NAPE), which serves as precursor for N- acylethanolamines (NAEs) (PubMed:[19615464](http://www.uniprot.org/citations/19615464), PubMed:[22605381](http://www.uniprot.org/citations/22605381), PubMed:[22825852](http://www.uniprot.org/citations/22825852)). Promotes keratinocyte differentiation via activation of TGM1 (PubMed:[17762858](http://www.uniprot.org/citations/17762858)).

Cellular Location

Membrane; Single- pass membrane protein

Tissue Location

Widely expressed.

RARRES3 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RARRES3 Antibody (Center) Blocking Peptide - Images**RARRES3 Antibody (Center) Blocking Peptide - Background**

Retinoids exert biologic effects such as potent growthinhibitory 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 to act as a tumor suppressor or growth regulator.

RARRES3 Antibody (Center) Blocking Peptide - References

Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Uyama, T., et al. Biochim. Biophys. Acta 1791(12):1114-1124(2009) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Higuchi, E., et al. Oncogene 22(30):4627-4635(2003)