

**RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF2709a

**Specification**

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**RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O9UL19</a>
Other Accession	<a href="#">NP_004576.2</a> , <a href="#">5920</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	18179

**RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) - Additional Information**

Gene ID 5920

**Other Names**

Retinoic acid receptor responder protein 3, 3.1.1.-, HRAS-like suppressor 4, HRSL4, RAR-responsive protein TIG3, Retinoid-inducible gene 1 protein, Tazarotene-induced gene 3 protein, RARRES3, RIG1, TIG3

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) - Protein Information**

Name PLAAT4 ([HGNC:9869](#))

Synonyms RARRES3, RIG1, TIG3

**Function**

Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:<a href="http://www.uniprot.org/citations/19615464" target="\_blank">19615464</a>, PubMed:<a href="http://www.uniprot.org/citations/22605381" target="\_blank">22605381</a>, PubMed:<a href="http://www.uniprot.org/citations/22825852" target="\_blank">22825852</a>, PubMed:<a href="http://www.uniprot.org/citations/22825852" target="\_blank">22825852</a>, PubMed:<a href="http://www.uniprot.org/citations/22825852" target="\_blank">22825852</a>)

[26503625](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/19615464), PubMed: [22605381](http://www.uniprot.org/citations/22605381), PubMed: [22825852](http://www.uniprot.org/citations/22825852)). For most substrates, PLA1 activity is much higher than PLA2 activity (PubMed: [19615464](http://www.uniprot.org/citations/19615464)). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed: [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.

**RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) - Images****RIG1 / RARRES3 (aa 124 to 136) Antibody (internal region) - References**

RIG1 suppresses Ras activation and induces cellular apoptosis at the Golgi apparatus. Tsai FM, Shyu RY, Jiang SY. Cell Signal. 2007 May;19(5):989-99. Epub 2006 Nov 23. PMID: 17196792