

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

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

Application	E
Primary Accession	O9UL19
Other Accession	NP_004576.2 , 5920
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

Dilution

E~~N/A

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

[19615464](http://www.uniprot.org/citations/19615464), PubMed: [22605381](http://www.uniprot.org/citations/22605381), PubMed: [22825852](http://www.uniprot.org/citations/22825852), PubMed: [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