

**Rarres3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57431**

**Specification**

**Rarres3 Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9UL19</a>
Reactivity	<b>Dog</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>18179</b>

**Rarres3 Polyclonal Antibody - Additional Information**

**Gene ID 5920**

**Other Names**

Phospholipase A and acyltransferase 4 {ECO:0000312|HGNC:HGNC:9869}, 2.3.1.-, 3.1.1.32, 3.1.1.4, HRAS-like suppressor 4, HRSL4, RAR-responsive protein TIG3, Retinoic acid receptor responder protein 3, Retinoid-inducible gene 1 protein, Tazarotene-induced gene 3 protein, PLAAT4 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=9869" target="\_blank">HGNC:9869</a>), RARRES3, RIG1, TIG3

**Format**

0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

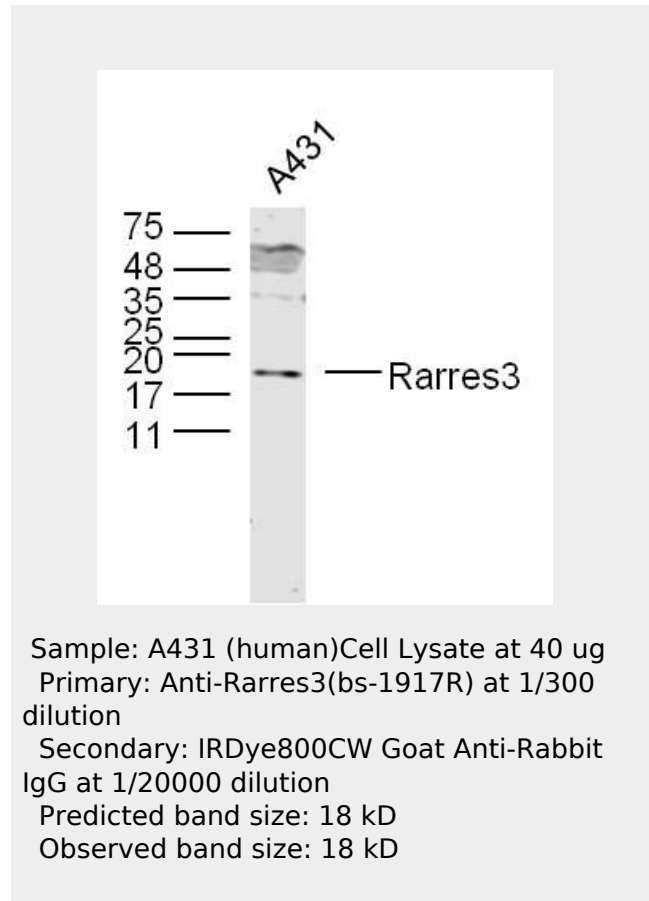
Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Rarres3 Polyclonal Antibody - 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/26503625" target="\_blank">26503625</a>). 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:<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>). For most substrates, PLA1 activity is much higher than PLA2 activity (PubMed:<a href="http://www.uniprot.org/citations/19615464" target="\_blank">19615464</a>). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed:<a href="http://www.uniprot.org/citations/19615464" target="\_blank">19615464</a>). 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:<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>). Promotes keratinocyte differentiation via activation of TGM1 (PubMed:<a href="http://www.uniprot.org/citations/17762858" target="\_blank">17762858</a>).

**Cellular Location**

Membrane; Single- pass membrane protein

**Tissue Location**

Widely expressed.

**Rarres3 Polyclonal Antibody - 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](#)