

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

Rarres3 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	O9UL19
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18179

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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=9869 target="_blank">HGNC:9869), RARRES3, RIG1, TIG3

Format

0.01M TBS(pH7.4), 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:[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). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed: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, PubMed:22605381, PubMed:22825852). Promotes keratinocyte differentiation via activation of TGM1 (PubMed:17762858).

Cellular Location

Membrane; Single- pass membrane protein

Tissue Location

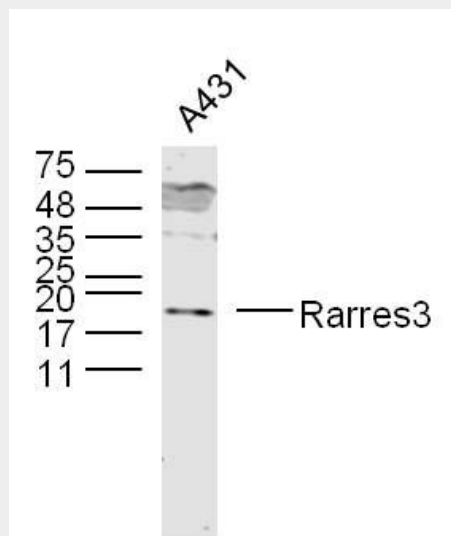
Widely expressed.

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](#)

Rarres3 Polyclonal Antibody - Images



Sample: A431 (human)Cell Lysate at 40 ug

Primary: Anti-Rarres3(bs-1917R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 18 kD
Observed band size: 18 kD