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

Specification

Rarres3 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q9UL19
Reactivity	**Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**18 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human Rarres3**
Epitope Specificity	**7-100/164**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Membrane; Single-pass membrane protein.**
SIMILARITY	**Belongs to the H-rev107 family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
Retinoids exert biologic effects such as potent growth inhibitory 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 act as a tumor suppressor or growth regulator. [provided by RefSeq, Jul 2008].

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 (HGNC:9869), RARRES3, RIG1, TIG3

Target/Specificity
Widely expressed.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

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

Storage
Store at -20 ℃ 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 ℃.

Rarres3 Polyclonal Antibody - 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: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

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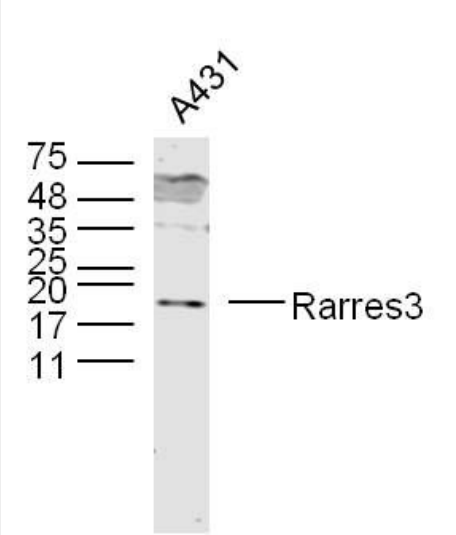
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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