

Product datasheet

Anti-NAPE-PLD antibody ab246951

3 Images

Overview

Product name	Anti-NAPE-PLD antibody
Description	Rabbit polyclonal to NAPE-PLD
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human NAPE-PLD aa 103-196. Sequence: ELPVLKPYFITNPEEAGVREAGLRVTWLGHATVMVEMDEL IFLTDPIFSS RASPSQYMGPKRFRRSPCTISELPPIDAVLISHNHYDHLDY NSV

Database link: [Q6IQ20](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control IHC-P: Human kidney tissue. ICC/IF: A431 cells. WB: Human liver tissue lysate.

General notes Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as

customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab246951** in the following tested applications.

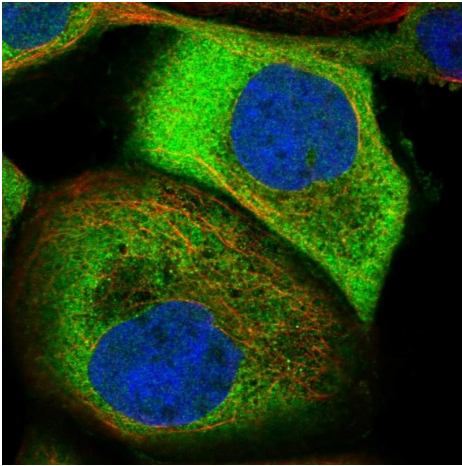
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml.

Target

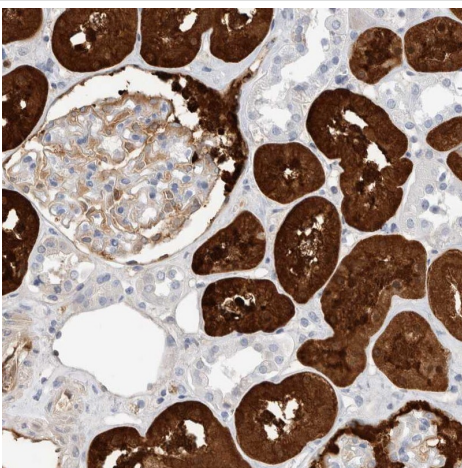
Function	Hydrolyzes N-acyl-phosphatidylethanolamines (NAPEs) to produce N-acylethanolamines (NAEs) and phosphatidic acid. Responsible for the generation of anandamide (N-arachidonylethanolamine), the ligand of cannabinoid and vanilloid receptors.
Sequence similarities	Belongs to the NAPE-PLD family.
Cellular localization	Membrane.

Images



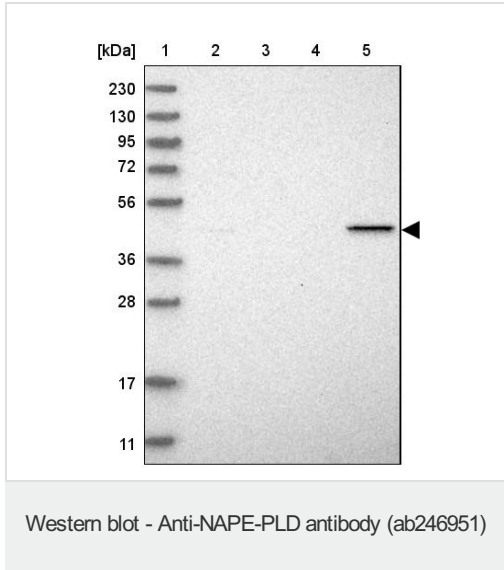
Immunocytochemistry/ Immunofluorescence - Anti-NAPE-PLD antibody (ab246951)

FA fixed, Triton X-100 permeabilized A431 (Human epidermoid carcinoma cell line) cells labeling NAPE-PLD using ab246951 at 4 $\mu\text{g/ml}$ (green) in ICC/IF.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NAPE-PLD antibody (ab246951)

Paraffin-embedded human kidney tissue stained for NAPE-PLD using ab246951 at 1/50 dilution in immunohistochemical analysis.



All lanes : Anti-NAPE-PLD antibody (ab246951) at 0.4 µg/ml

Lane 1 : RT4 (Human urinary bladder cancer cell line) cell lysate

Lane 2 : U-251 MG (Human brain glioma cell line) cell lysate

Lane 3 : Human plasma (IgG/HSA depleted)

Lane 4 : Human liver tissue lysate

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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