




Product datasheet

Anti-Perilipin 3/TIP47 antibody ab224344

3 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-Perilipin 3/TIP47 antibody |
| Description | Rabbit polyclonal to Perilipin 3/TIP47 |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, WB, ICC/IF |
| Species reactivity | Reacts with: Human Predicted to work with: Orangutan  |
| Immunogen | Recombinant fragment corresponding to Human Perilipin 3/TIP47 aa 254-378. Sequence: SLGKLRATKQRAQEALLQLSQALSLMETVKQGVDQKLVE GQEKLHQMWLS WNQKQLQGPEKEPPKPEQVESRALTMF RDIAQQLQATCT SLGSSIQGLPT NVKDQVQQARRQVEDLQATFSSIHS Database link: O60664  Run BLAST with  Run BLAST with |
| Positive control | WB: U-86 MG cell lysate. IHC-P: Human small intestine tissue. ICC/IF: A431 cells. |
| General notes | Previously labelled as Perilipin 3. 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 **ab224344** in the following tested applications.

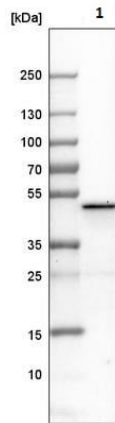
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-P | | 1/200 - 1/500. 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. Predicted molecular weight: 47 kDa. |
| ICC/IF | | Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100. |

Target

| | |
|------------------------------|---|
| Function | Required for the transport of mannose 6-phosphate receptors (MPR) from endosomes to the trans-Golgi network. |
| Sequence similarities | Belongs to the perilipin family. |
| Cellular localization | Cytoplasm. Endosome membrane. Lipid droplet. Membrane associated on endosomes. Detected in the envelope and the core of lipid bodies and in lipid sails. |

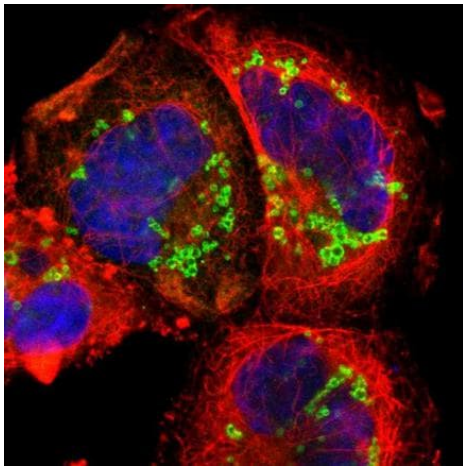
Images



Western blot - Anti-Perilipin 3/TIP47 antibody
(ab224344)

Anti-Perilipin 3/TIP47 antibody (ab224344) at 1/100 dilution + U-87
MG (human glioblastoma-astrocytoma epithelial cell line) cell lysate

Predicted band size: 47 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
Perilipin 3/TIP47 antibody (ab224344)

PFA-fixed, Triton X-100 permeabilized A431 (human epidermoid
carcinoma cell line) cells stained for Perilipin 3/TIP47 (green) using
ab224344 (4 µg/ml) in ICC/IF.



Paraffin-embedded human small intestine tissue stained for Perilipin 3/TIP47 with ab224344 (1/200) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Perilipin 3/TIP47 antibody (ab224344)

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

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