

Product datasheet

Anti-IFT80 antibody ab126784

2 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-IFT80 antibody |
| Description | Rabbit polyclonal to IFT80 |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | antigen sequence: EELYSCSDDH QMKWNLLTS ETTQMCLPD DYPIDFHWF PKSLGVKKQT QAESFVLTSS DGKFHLISKL GRVEKSVEAH CGAVLAGRWN Y, corresponding to amino acids 26-116 of Human IFT80. |

[Run BLAST with ExPASy](#)
[Run BLAST with NCBI](#)

Positive control Human kidney tissue.

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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab126784** in the following tested applications.

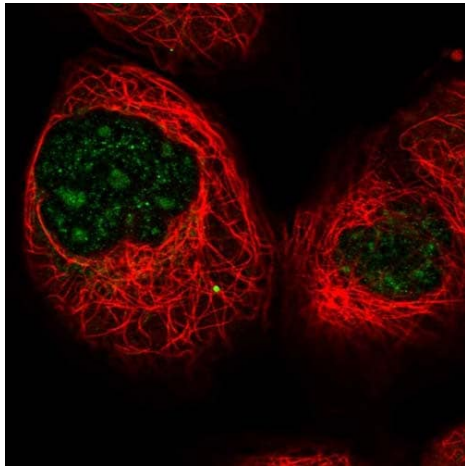
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| ICC/IF | | Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment |
| IHC-P | | 1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

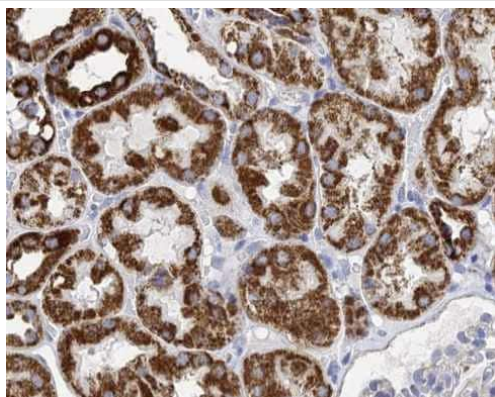
| | |
|-------------------------------|---|
| Function | Component of the intraflagellar transport (IFT) complex B, which is essential for the development and maintenance of motile and sensory cilia. |
| Involvement in disease | Defects in IFT80 are the cause of asphyxiating thoracic dystrophy type 2 (ATD2) [MIM:611263]. An autosomal recessive chondrodysplasia characterized by a severely constricted thoracic cage, short-limbed short stature, and polydactyly. It often leads to death in infancy because of respiratory insufficiency. Retinal degeneration, cystic renal disease and hepatic disease can be present in affected individuals who survive early childhood. |
| Sequence similarities | Contains 7 WD repeats. |
| Cellular localization | Cytoplasm. Cytoplasm > cytoskeleton > cilium basal body. Cytoplasm > cytoskeleton > cilium axoneme. Basal body and ciliary axoneme. |

Images



Immunocytochemistry/ Immunofluorescence - Anti-IFT80 antibody (ab126784)

Immunofluorescent staining of Human cell line A-431 shows positivity in nucleus and nucleoli. Recommended concentration of ab126784 1-4 µg/ml. Cells treated with PFA/Triton X-100.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IFT80 antibody (ab126784)

ab126784, at 1/50 dilution, staining IFT80 in formalin-fixed, paraffin-embedded Human kidney tissue, by Immunohistochemistry.

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
- Valid for 12 months from date of delivery
- 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.

Terms and conditions

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