

Product datasheet

Anti-IFT43 antibody ab121195

3 Images

Overview

Product name	Anti-IFT43 antibody
Description	Rabbit polyclonal to IFT43
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to amino acids 107-202 (EEVQEEDFVL QVAAPPSIQI KRVMTYRDLN NDLMKYSAIQ TLDGEIDLKL LTKVLAPEHE VREDDVGWDW DHLFTEVSSE VLTEWDPLQT EKEDPA) of Human IFT43 (Q96FT9). Run BLAST with Expasy Run BLAST with NCBI
Positive control	IFT43-transfected HEK293T lysate; Human testis tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab121195 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.
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

Component of IFT complex A (IFT-A) involved in retrograde ciliary transport along microtubules from the ciliary tip to the base.

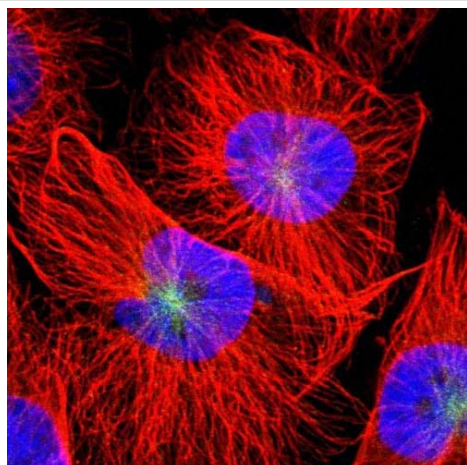
Involvement in disease

Defects in IFT43 are a cause of cranioectodermal dysplasia type 1 (CED1) [MIM:218330]. CED1 is a disorder characterized by craniofacial, skeletal and ectodermal abnormalities. Clinical features include dolichocephaly (with or without sagittal suture synostosis), scaphocephaly, short stature, limb shortening, short ribs, narrow chest, brachydactyly, renal failure and hepatic fibrosis, small and abnormally shaped teeth, sparse hair, skin laxity and abnormal nails.

Sequence similarities

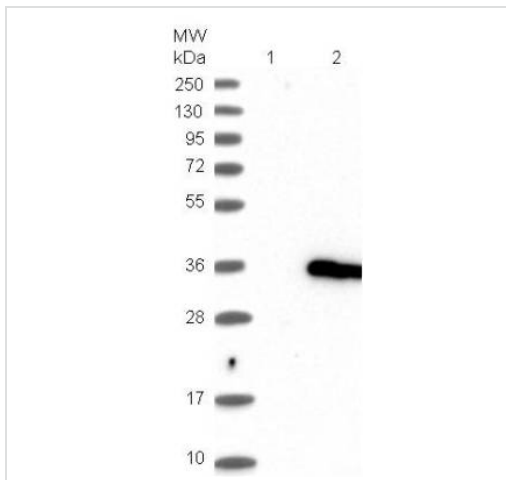
Belongs to the IFT43 family.

Images



Immunofluorescent staining of Human cell line U-251MG shows positivity in cytoskeleton. Recommended concentration of ab121195 1-4 µg/ml. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-IFT43 antibody (ab121195)



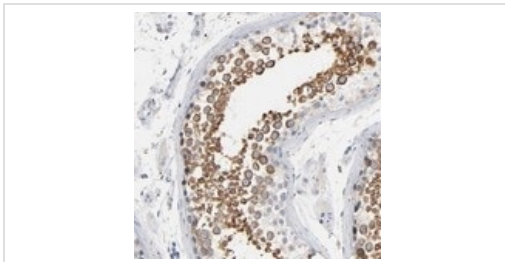
Western blot - Anti-IFT43 antibody (ab121195)

All lanes : Anti-IFT43 antibody (ab121195) at 1/250 dilution

Lane 1 : Vector only transfected HEK293T lysate

Lane 2 : IFT43-transfected HEK293T lysate (Co-expressed with a C-terminal myc-DDK tag ~3.1 kDa)

Developed using the ECL technique.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IFT43 antibody (ab121195)

ab121195 at 1/50 dilution staining IFT43 in Paraffin-embedded Human testis tissue by Immunohistochemistry.

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

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