




## Product datasheet

# Anti-TCFL5 antibody ab188075

[5 Images](#)

### Overview

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<b>Product name</b>	Anti-TCFL5 antibody
<b>Description</b>	Rabbit polyclonal to TCFL5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human TCFL5 aa 300-450. Database link: <a href="#">Q9UL49</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human testis and cerebral cortex tissue; ICC: Hep G2 whole cells.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab188075 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		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100

## Target

### Function

Putative transcription factor. Isoform 3 may play a role in early spermatogenesis.

### Tissue specificity

Isoform 3 is testis specific. Isoform 2 is pancreas specific.

### Sequence similarities

Contains 1 bHLH (basic helix-loop-helix) domain.

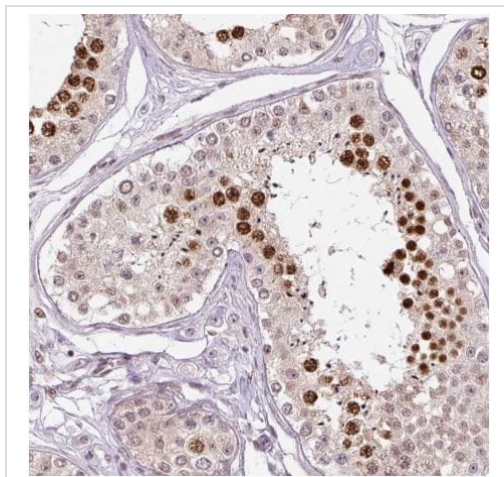
### Developmental stage

Isoform 3 is specifically expressed in primary spermatocytes at the pachytene stage, but not those at leptoneuma stage. Not expressed in other testicular cells, including spermatogonia located in the basal compartment of the seminiferous tubule or spermatids.

### Cellular localization

Nucleus.

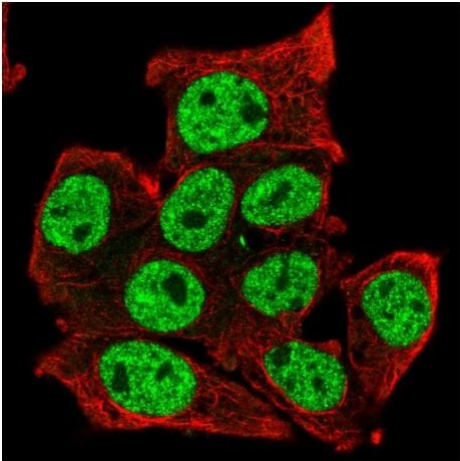
## Images



Immunohistochemical analysis of human testis tissue labeling TCFL5 in the nucleus of cells in seminiferous ducts with ab188075 at a 1/500 dilution.

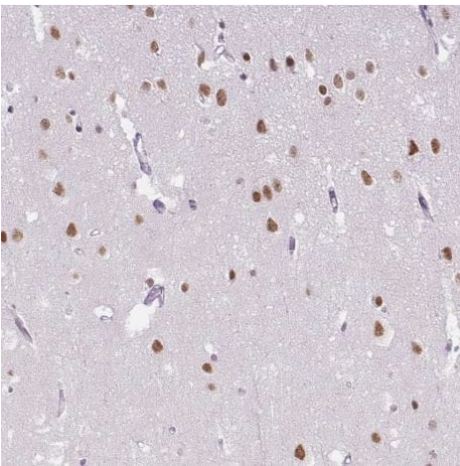
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCFL5 antibody (ab188075)



Immunocytochemistry/ Immunofluorescence - Anti-TCFL5 antibody (ab188075)

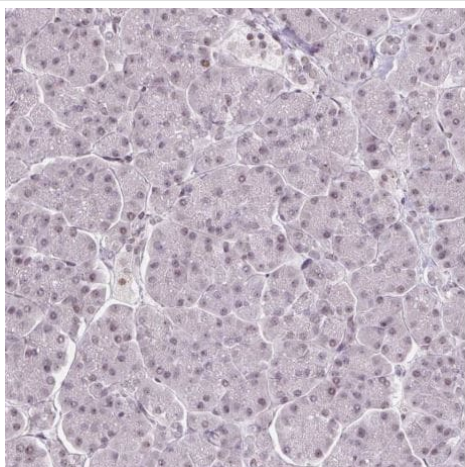
Immunocytochemical analysis of HepG2 (Human liver hepatocellular carcinoma cell line) whole cells labeling TCFL5 with ab188075 at 2  $\mu\text{g/ml}$ .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCFL5 antibody (ab188075)

Immunohistochemical analysis of human cerebral cortex tissue labeling TCFL5 in the nucleus of neurons with ab188075 at a 1/500 dilution.

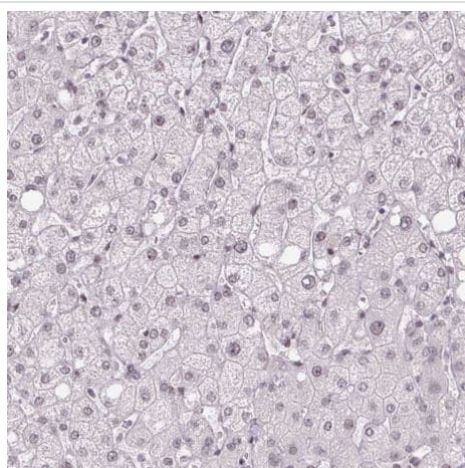
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCFL5 antibody (ab188075)

Immunohistochemical analysis of human pancreas tissue labeling TCFL5 with ab188075 at a 1/500 dilution. No positivity as expected.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCFL5 antibody (ab188075)

Immunohistochemical analysis of human liver tissue labeling TCFL5 with ab188075 at a 1/500 dilution. No positivity as expected.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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- 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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