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Datasheet for ABIN1394976

## anti-TTC21B antibody (AA 1221-1316) (AbBy Fluor® 647)

### Overview

Quantity:	100 µL
Target:	TTC21B
Binding Specificity:	AA 1221-1316
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTC21B antibody is conjugated to AbBy Fluor® 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TTC21B
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	TTC21B
Alternative Name:	TTC21B ( <a href="#">TTC21B Products</a> )

## Target Details

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**Background:** Synonyms: ATD4, JBTS11, Nbla10696, NPHP12, Putative protein product of Nbla10696, Tetratricopeptide repeat protein 21B, THM1, TPR repeat protein 21B, TT21B\_HUMAN, Ttc21b.  
Background: The tetratricopeptide repeat (TPR) motif is a degenerate, 34 amino acid sequence found in many proteins and acts to mediate protein-protein interactions in various pathways. At the sequence level, there can be up to 16 tandem TPR repeats, each of which has a helix-turn-helix shape that stacks on other TPR repeats to achieve ligand binding specificity. TTC21B (tetratricopeptide repeat domain 21B), also known as THM1, is a 1,316 amino acid protein that contains 19 TPR repeats and belongs to the TTC21 family. Localizing to cytoplasm and cytoskeleton, TTC21B exists as two alternatively spliced isoforms and is thought to negatively regulate Shh signal transduction. TTC21B may also be involved in retrograde intraflagellar transport in cilia, and is encoded by a gene that maps to human chromosome 2q24.3.

**Gene ID:** 79809

**UniProt:** [Q7Z4L5](#)

**Pathways:** [Hedgehog Signaling](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months