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Datasheet for ABIN1394975

anti-TTC21B antibody (AA 1221-1316) (Alexa Fluor 555)

Overview

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| Quantity: | 100 µL |
| Target: | TTC21B |
| Binding Specificity: | AA 1221-1316 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TTC21B antibody is conjugated to Alexa Fluor 555 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| 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

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| Target: | TTC21B |
| Alternative Name: | TTC21B (TTC21B Products) |

Target Details

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| Background: | <p>Synonyms: ATD4, JBTS11, Nbla10696, NPHP12, Putative protein product of Nbla10696, Tetratricopeptide repeat protein 21B, THM1, TPR repeat protein 21B, TT21B_HUMAN, Ttc21b.</p> <p>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.</p> |
| Gene ID: | 79809 |
| UniProt: | Q7Z4L5 |
| Pathways: | Hedgehog Signaling |

Application Details

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| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| 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

Expiry Date: 12 months