Datasheet for ABIN1392275

# anti-TSKU antibody (AA 231-300) (Alexa Fluor 555)

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## Overview

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| Quantity: | 100 µL |
| Target: | TSKU |
| Binding Specificity: | AA 231-300 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TSKU 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 Tsukushin/LRRC54 |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

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| Target: | TSKU |
| Alternative Name: | TSK/Tsukushin/LRRC54 (TSKU Products) |
| Background: | Synonyms: E2 induced gene 4 protein, E2IG4, Leucine rich repeat containing protein 54, |

## Target Details

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| | LRRC54, TSK, Tsukushi, TSK_HUMAN, TSKU.<br>Background: The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic / horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. LRRC54 (leucine-rich repeat-containing protein 54), also known as tsukushin, TSKU or E2-induced gene 4 protein (E2IG4), is a 353 amino acid secreted protein that likely localizes to the cell membrane and extracellular compartments. Involved in extracellular secretion and intracellular transport, LRRC54 can be induced by 17-beta-estradiol. Containing nine LRR repeat and a cleavable signal peptide, the gene encoding LRRC54 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4 % of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11. |
| Gene ID: | 25987 |
| UniProt: | Q8WUA8 |

## Application Details

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

 