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Datasheet for ABIN1392276

**anti-TSKU antibody (AA 231-300) (Alexa Fluor 647)**

## Overview

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 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

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

Target:	TSKU
Alternative Name:	TSK/Tsukushin/LRRC54 ( <a href="#">TSKU Products</a> )
Background:	Synonyms: E2 induced gene 4 protein, E2IG4, Leucine rich repeat containing protein 54,

## Target Details

LRRC54, TSK, Tsukushi, TSK\_HUMAN, TSKU.

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

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

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