Datasheet for ABIN1409741

anti-Tubby Protein Homolog 1 (Tub-1) (AA 241-305) antibody (Cy5.5)

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Overview

Quantity:	100 µL
Target:	Tubby Protein Homolog 1 (Tub-1)
Binding Specificity:	AA 241-305
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TUB 1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Tubby Protein Homolog 1 (Tub-1)
Alternative Name:	TUB 1 (Tub-1 Products)
Background:	Synonyms: F10B5.4, rd5, TUB 1, TUB, TUB_HUMAN, Tubby homologue, Tubby protein homolog

Target Details

1, Tubby protein homolog.

Background: In contrast to the rapid early-onset weight gain seen in ob/ob mice (1-3), mutations in the tub gene lead to obesity gradually and strongly resemble late-onset obesity as seen in the human population (4). In addition to excessive deposition of adipose tissue, mice with the tub phenotype also suffer retinal degeneration and neurosensory hearing loss (4-6). The tripartite character of tubby phenotype is strikingly similar to human obesity syndromes such as Alstr (5) and Bardet-Biedl (6). A candidate for the tub gene has been described (4). A G_ transversion in this candidate gene eliminates a donor splice site in the 3' coding region resulting in a larger transcript containing an unspliced intron (4). A second prematurely truncated mRNA transcript with the unspliced intron was found to be expressed in the brains of tubby mice at a 2-3 fold higher rate as compared to B6 mice (4). It has been postulated that the phenotypic features of tubby mice can be attributed to cellular apoptosis triggered by the expression of a mutated tub gene (4).

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.
Expiry Date:	12 months

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