Datasheet for ABIN1697704

anti-HHATL antibody (AA 25-125) (Alexa Fluor 555)

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Overview

Quantity:	100 µL
Target:	HHATL
Binding Specificity:	AA 25-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HHATL antibody is conjugated to Alexa Fluor 555
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 HHATL/GUP1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HHATL
Alternative Name:	HHATL/GUP1 (HHATL Products)
Background:	Synonyms: C3orf3, Glycerol uptake/transporter homolog, GUP1, GUP1 glycerol

Target Details

	uptake/transporter homolog, Hedgehog acyltransferase like, Hedgehog acyltransferase-like protein, Hhatl, HHATL_HUMAN, KIAA1173, MBOAT3, Membrane bound O acyltransferase domain containing 3, MSTP002, OACT3, Protein-cysteine N-palmitoyltransferase HHAT-like protein. Background: GUP1 is a 504 amino acid multipass membrane protein of the endoplasmic reticulum that functions as a membrane bound O-acyltransferase. With specific expression in heart, GUP1 negatively regulates amino-terminal palmitoylation of Shh by HHAT, a protein that is required for Shh signaling. Deletion of the gene encoding GUP1 results in higher sensibility to specific sphinogolipid biosynthesis inhibitors and resistance to ergosterol biosynthesis inhibitors, indicating that GUP1 is an essential component in lipid metabolism. Also, GUP1 also seems to be important for cell wall assembly and stability due to evidence in Saccharomyces cerevisiae GUP1 mutants, which exhibit altered plasma membrane lipid composition and membrane potential.
Gene ID:	57467
Pathways:	Hedgehog Signaling

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

Expiry Date:	12 months

