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Datasheet for ABIN1714831
anti-HHATL antibody (AA 25-125)

Overview

Quantity:	100 µL
Target:	HHATL
Binding Specificity:	AA 25-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HHATL antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

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)

Target Details

Background:	<p>Synonyms: C3orf3, Glycerol uptake/transporter homolog, GUP1, GUP1 glycerol 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.</p> <p>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 sphingolipid 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 <i>Saccharomyces cerevisiae</i> GUP1 mutants, which exhibit altered plasma membrane lipid composition and membrane potential.</p>
Gene ID:	57467
Pathways:	Hedgehog Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months