

**HHATL Antibody**  
**Catalog # ASC11464****Specification**

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**HHATL Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q9HCP6</a>
Other Accession	<a href="#">NP_065758</a> , <a href="#">239582769</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	HHATL antibody can be used for detection of HHATL by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 2.5 µg/mL.

**HHATL Antibody - Additional Information**

Gene ID	57467
Target/Specificity	
HHATL;	

**Reconstitution & Storage**

HHATL antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

HHATL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**HHATL Antibody - Protein Information**

**Name** HHATL

**Synonyms** C3orf3, GUP1, KIAA1173

**Function**

Negatively regulates N-terminal palmitoylation of SHH by HHAT/SKN.

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

**Tissue Location**

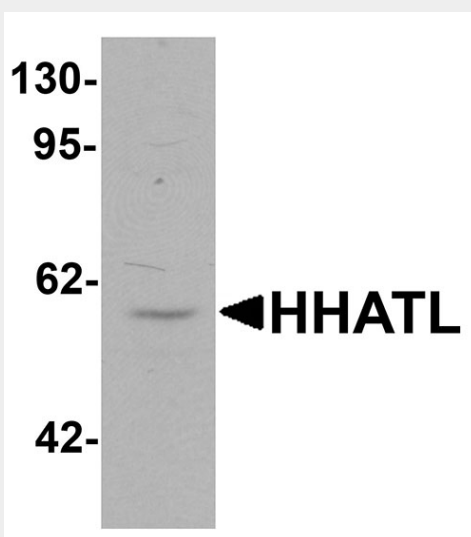
Heart-specific..

## HHATL Antibody - Protocols

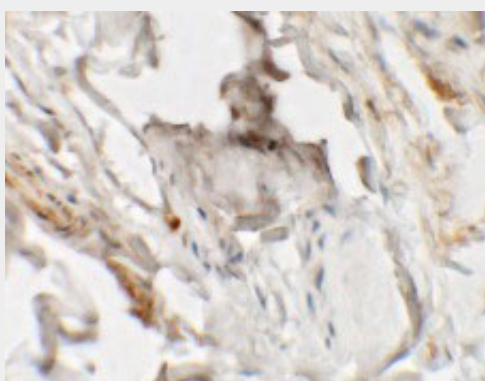
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

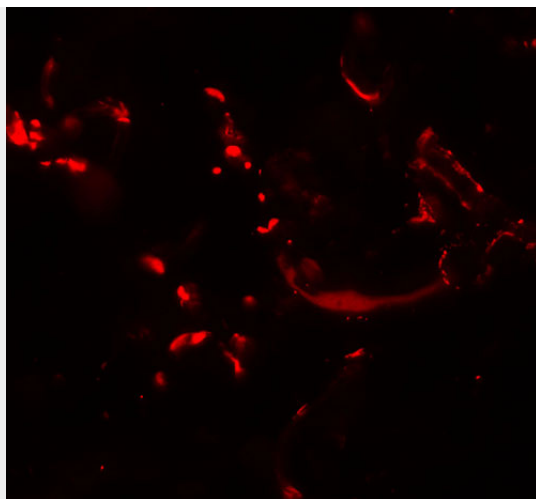
## HHATL Antibody - Images



Western blot analysis of HHATL in 3T3 cell lysate with HHATL antibody at 1  $\mu$ g/mL.



Immunohistochemistry of HHATL in human skin tissue with HHATL antibody at 2.5  $\mu$ g/mL.



Immunofluorescence of HHATL in human skin tissue with HHATL antibody at 20 µg/mL.

#### **HHATL Antibody - Background**

**HHATL Antibody:** The Protein-cysteine N-palmitoyltransferase HHAT-like protein (HHATL), also known as the mammalian glycerol uptake/transporter 1 (Gup1) is a homolog of the *S. cerevisiae* Gup1. It is an endoplasmic reticulum (ER) membrane protein that co-localizes with the mammalian hedgehog acyltransferase Skn and interferes with its N-terminal palmitoylation of Sonic hedgehog (SHH), suggesting that HHATL acts as a negative regulator for N-terminal palmitoylation of SHH. HHATL is highly expressed in normal skin, but becomes down-regulated in skin squamous cell carcinoma, suggesting it may play a role in its development.

#### **HHATL Antibody - References**

Abe Y, Kita Y, and Niikura T. Mammalian Gup1, a homolog of *Saccharomyces cerevisiae* glycerol uptake/transporter 1, acts as a negative regulator for N-palmitoylation of Sonic hedgehog. *FEBS J.* 2008; 275:318-31.

Zhang SQ, Tian X, Luo YW, et al. Expression, clinical and pathological significance of KIAA1173 gene in skin squamous cell carcinoma. *Zhonghua Yi Xue Za Zhi* 2010; 90:1243-6.