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HHATL Antibody
Catalog # ASC11464

Specification

HHATL Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q9HCP6
Other Accession	NP_065758, 239582769
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℃ for three months and -20℃, 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..

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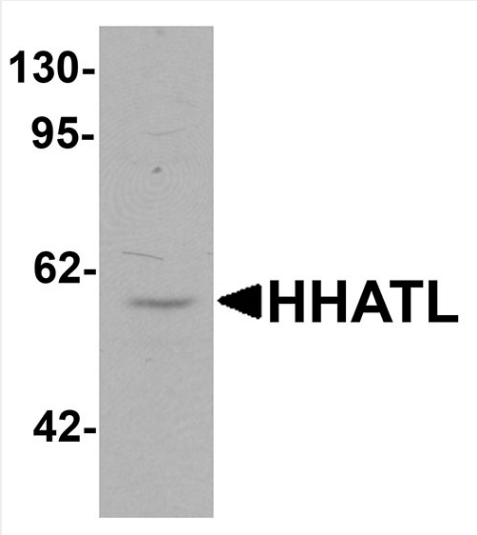
HHATL Antibody - Protocols

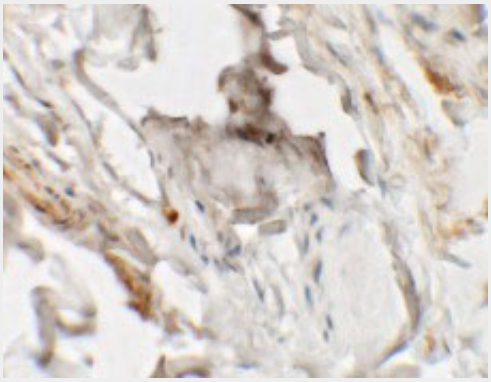
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HHATL Antibody - Images



Western blot analysis of HHATL in 3T3 cell lysate with HHATL antibody at 1 µg/mL.



Immunohistochemistry of HHATL in human skin tissue with HHATL antibody at 2.5 µg/mL.

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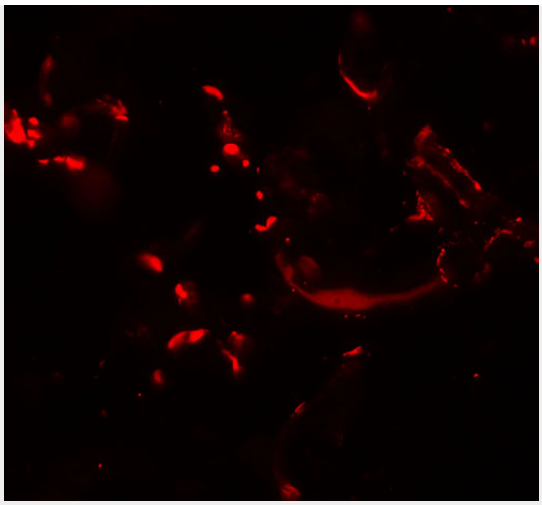

Immunofluorescence of HHATL in human skin tissue with HHATL antibody at 20 µg/mL.

HHATL Antibody - Background

HHATL Antibody: The Protein-cysteine N-palmitoyltransferase HHAT-like protein (HHATL), also known at 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 acyltransferse 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.