

**ZDHHC9 Antibody (aa315-364)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15507****Specification****ZDHHC9 Antibody (aa315-364) - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O9Y397</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>41kDa KDa</b>

**ZDHHC9 Antibody (aa315-364) - Additional Information****Gene ID** 51114**Other Names**

Palmitoyltransferase ZDHHC9, 2.3.1.225, Zinc finger DHHC domain-containing protein 9, DHHC-9, DHHC9, Zinc finger protein 379, Zinc finger protein 380, ZDHHC9, CXorf11, ZDHHC10, ZNF379, ZNF380

**Target/Specificity**

ZDHHC9 Antibody detects endogenous levels of total ZDHHC9 protein.

**Reconstitution & Storage**

Store at -20°C for up to one year.

**Precautions**

ZDHHC9 Antibody (aa315-364) is for research use only and not for use in diagnostic or therapeutic procedures.

**ZDHHC9 Antibody (aa315-364) - Protein Information****Name** ZDHHC9 {ECO:0000303|PubMed:37802025, ECO:0000312|HGNC:HGNC:18475}**Function**

Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates, such as ADRB2, GSDMD, HRAS, NRAS and CGAS (PubMed:<a href="http://www.uniprot.org/citations/16000296" target="\_blank">16000296</a>, PubMed:<a href="http://www.uniprot.org/citations/27481942" target="\_blank">27481942</a>, PubMed:<a href="http://www.uniprot.org/citations/37802025" target="\_blank">37802025</a>, PubMed:<a href="http://www.uniprot.org/citations/38599239" target="\_blank">38599239</a>, PubMed:<a href="http://www.uniprot.org/citations/38530158" target="\_blank">38530158</a>). The ZDHHC9-GOLGA7 complex is a palmitoyltransferase specific for HRAS and NRAS (PubMed:<a href="http://www.uniprot.org/citations/16000296" target="\_blank">16000296</a>). May have a palmitoyltransferase activity toward the beta-2 adrenergic receptor/ADRB2 and therefore regulate G protein-coupled receptor signaling (PubMed:<a href="http://www.uniprot.org/citations/16000296" target="\_blank">16000296</a>).

[27481942](http://www.uniprot.org/citations/27481942)). Acts as a regulator of innate immunity by catalyzing palmitoylation of CGAS, thereby promoting CGAS homodimerization and cyclic GMP-AMP synthase activity (PubMed: [37802025](http://www.uniprot.org/citations/37802025)). Activates pyroptosis by catalyzing palmitoylation of gasdermin-D (GSDMD), thereby promoting membrane translocation and pore formation of GSDMD (PubMed: [38599239](http://www.uniprot.org/citations/38599239)), PubMed: [38530158](http://www.uniprot.org/citations/38530158)).

#### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

#### Tissue Location

Highly expressed in kidney, skeletal muscle, brain, lung and liver. Absent in thymus, spleen and leukocytes

#### Volume

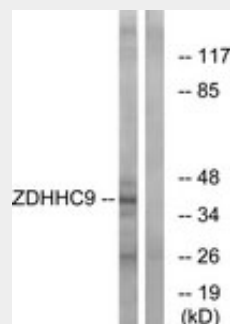
50 µl

### ZDHHC9 Antibody (aa315-364) - Protocols

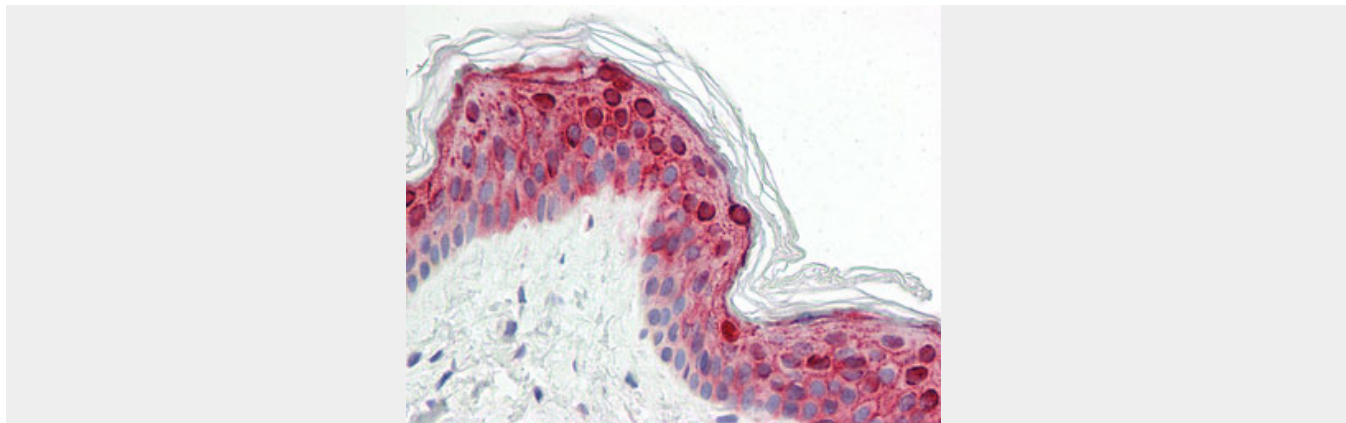
Provided below are standard protocols that you may find useful for product applications.

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

### ZDHHC9 Antibody (aa315-364) - Images



Western blot of extracts from COLO cells, using ZDHHC9 Antibody.



Anti-ZDHHC9 antibody IHC of human skin.

### **ZDHHC9 Antibody (aa315-364) - Background**

The ZDHHC9-GOLGA7 complex is a palmitoyltransferase specific for HRAS and NRAS.

### **ZDHHC9 Antibody (aa315-364) - References**

Zhou F.L., et al. *Cancer Immunol. Immunother.* 55:910-917(2006).

Lai C.-H., et al. *Genome Res.* 10:703-713(2000).

Clark H.F., et al. *Genome Res.* 13:2265-2270(2003).

Ota T., et al. *Nat. Genet.* 36:40-45(2004).

Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.