

**ZDHHC9 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51621**

**Specification**

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**ZDHHC9 Antibody - Product Information**

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">O9Y397</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>40 KDa</b>

**ZDHHC9 Antibody - Additional Information**

**Gene ID** 51114

**Other Names**

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

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**ZDHHC9 Antibody - 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/27481942" target="\_blank">27481942</a>). Acts as a regulator of innate immunity by catalyzing palmitoylation of CGAS, thereby promoting CGAS homodimerization and cyclic GMP-AMP synthase activity (PubMed: <a href="http://www.uniprot.org/citations/37802025" target="\_blank">37802025</a>). Activates pyroptosis by catalyzing palmitoylation of gasdermin-D (GSDMD), thereby promoting membrane

translocation and pore formation of GSDMD (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>).

**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

**ZDHHC9 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](#)

**ZDHHC9 Antibody - Images****ZDHHC9 Antibody - Background**

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

**ZDHHC9 Antibody - 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.