

**DHHC-9 Polyclonal Antibody**  
Catalog # AP69527**Specification****DHHC-9 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9Y397</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**DHHC-9 Polyclonal Antibody - Additional Information**

Gene ID 51114

**Other Names**

ZDHHC9; CXorf11; ZDHHC10; ZNF379; ZNF380; CGI-89; Palmitoyltransferase ZDHHC9; Zinc finger DHHC domain-containing protein 9; DHHC-9; DHHC9; Zinc finger protein 379; Zinc finger protein 380

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**DHHC-9 Polyclonal 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

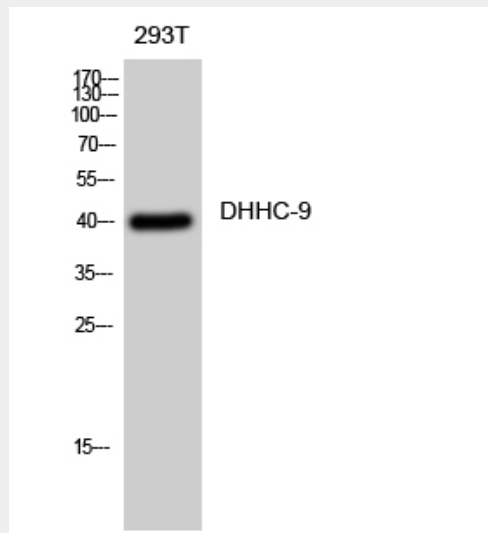
Highly expressed in kidney, skeletal muscle, brain, lung and liver. Absent in thymus, spleen and leukocytes

### DHHC-9 Polyclonal 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](#)

### DHHC-9 Polyclonal Antibody - Images



### DHHC-9 Polyclonal Antibody - Background

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