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ZDHHC9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9716b

Specification

ZDHHC9 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9Y397
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**335-364**

ZDHHC9 Antibody (C-term) - 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

Target/Specificity
This ZDHHC9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 335-364 amino acids from the C-terminal region of human ZDHHC9.

Dilution
WB~~1:2000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ZDHHC9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZDHHC9 Antibody (C-term) - 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:16000296,

PubMed:27481942, PubMed:37802025, PubMed:38599239, PubMed:38530158). The ZDHHC9-GOLGA7 complex is a palmitoyltransferase specific for HRAS and NRAS (PubMed:16000296). May have a palmitoyltransferase activity toward the beta-2 adrenergic receptor/ADRB2 and therefore regulate G protein-coupled receptor signaling (PubMed: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). Activates pyroptosis by catalyzing palmitoylation of gasdermin-D (GSDMD), thereby promoting membrane translocation and pore formation of GSDMD (PubMed:38599239, PubMed:38530158).

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

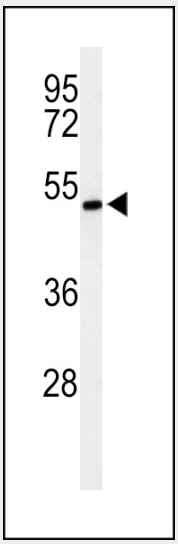
Tissue Location
Highly expressed in kidney, skeletal muscle, brain, lung and liver. Absent in thymus, spleen and leukocytes

ZDHHC9 Antibody (C-term) - 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

ZDHHC9 Antibody (C-term) - Images



Western blot analysis of ZDHHC9 Antibody (C-term) (Cat. #AP9716b) in mouse liver tissue lysates (35ug/lane). ZDHHC9 (arrow) was detected using the purified Pab.

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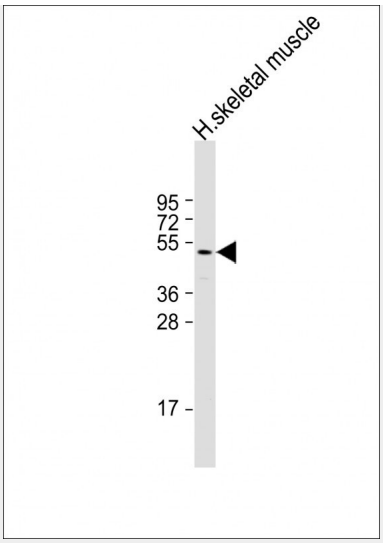
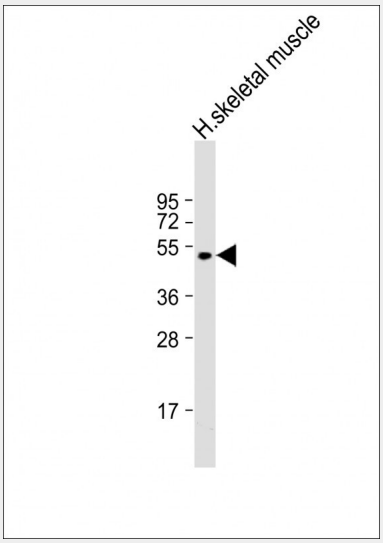


Anti-ZDHHC9 Antibody (C-term) at 1:2000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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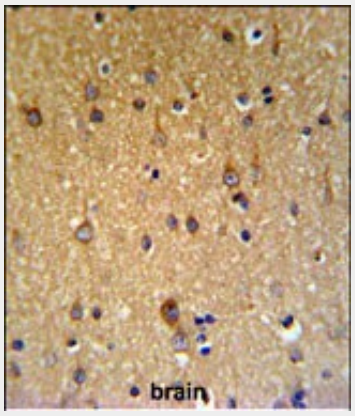

ZDHHC9 Antibody (C-term) (Cat. #AP9716b) IHC analysis in formalin fixed and paraffin

embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ZDHHC9 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ZDHHC9 Antibody (C-term) - Background

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

ZDHHC9 Antibody (C-term) - References

Mansilla, F., et al. Br. J. Cancer 96(12):1896-1903(2007)
Raymond, F.L., et al. Am. J. Hum. Genet. 80(5):982-987(2007)
Zhou, F.L., et al. Cancer Immunol. Immunother. 55(8):910-917(2006)