

ZDHHC1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10315a**Specification**

ZDHHC1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8WTX9
Other Accession	Q8R0N9 , NP_037436.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54818
Antigen Region	14-43

ZDHHC1 Antibody (N-term) - Additional Information**Gene ID** 29800**Other Names**

Probable palmitoyltransferase ZDHHC1, DHHC domain-containing cysteine-rich protein 1, Zinc finger DHHC domain-containing protein 1, DHHC-1, Zinc finger protein 377, ZDHHC1, C16orf1, ZNF377

Target/Specificity

This ZDHHC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human ZDHHC1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

ZDHHC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZDHHC1 Antibody (N-term) - Protein Information

Name ZDHHC1 {ECO:0000303|PubMed:39173637, ECO:0000312|HGNC:HGNC:17916}

Function Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates, such as NCDN and NLRP3 (PubMed:[39173637](#)). Has a palmitoyltransferase activity toward NCDN and regulates NCDN association with endosome membranes through this palmitoylation (By similarity). Acts as an activator of the NLRP3 inflammasome by mediating palmitoylation of 'Cys-130' and 'Cys-958' of NLRP3, thereby promoting NLRP3 phosphorylation and activation by NEK7 (PubMed:[39173637](#)).

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q8R0N9}; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus

Tissue Location

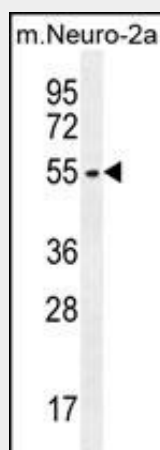
Widely expressed with significant expression in heart, brain, placenta, lung, liver, kidney, testis, thymus and small intestine (PubMed:16647879). Expressed at lower levels in adult pancreas and lung (PubMed:10395086).

ZDHHC1 Antibody (N-term) - Protocols

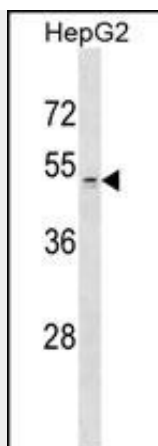
Provided below are standard protocols that you may find useful for product applications.

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

ZDHHC1 Antibody (N-term) - Images



ZDHHC1 Antibody (N-term) (Cat. #AP10315a) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the ZDHHC1 antibody detected the ZDHHC1 protein (arrow).



ZDHC1 Antibody (N-term) (Cat. #AP10315a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ZDHC1 antibody detected the ZDHC1 protein (arrow).

ZDHC1 Antibody (N-term) - References

Feng, T., et al. Hum. Genet. 128(3):269-280(2010)

Putilina, T., et al. Mol. Cell. Biochem. 195 (1-2), 219-226 (1999) :

ZDHC1 Antibody (N-term) - Citations

- [DNA methylation downregulated ZDHC1 suppresses tumor growth by altering cellular metabolism and inducing oxidative/ER stress-mediated apoptosis and pyroptosis.](#)