

ZDHHC1 (aa174-182) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3353a**Specification**

ZDHHC1 (aa174-182) Antibody (internal region) - Product Information

Application	E
Primary Accession	Q8WTX9
Other Accession	NP_037436.1 , 29800 , 70796 (mouse) , 291967 (rat)
Predicted Host	Human, Mouse, Rat
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	54818

ZDHHC1 (aa174-182) Antibody (internal region) - Additional Information**Gene ID** 29800**Other Names**

Probable palmitoyltransferase ZDHHC1, 2.3.1.225, DHHC domain-containing cysteine-rich protein 1, Zinc finger DHHC domain-containing protein 1, DHHC-1, Zinc finger protein 377, ZDHHC1, C16orf1, ZNF377

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ZDHHC1 (aa174-182) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ZDHHC1 (aa174-182) Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/39173637"

target="_blank">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 (aa174-182) Antibody (internal region) - 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 (aa174-182) Antibody (internal region) - Images

ZDHHC1 (aa174-182) Antibody (internal region) - References

The DHHC domain: a new highly conserved cysteine-rich motif. Putilina T, Wong P, Gentleman S, Molecular and cellular biochemistry 1999 May 195 (1-2): 219-26. PMID: 10395086