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# ZDHHC20 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13355a

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q5W0Z9 |
| **Reactivity** | Human |
| **Predicted** | Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB33548 |
| **Calculated MW** | 42278 |
| **Antigen Region** | 26-54 |

## Additional Information

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|---|---|
| **Gene ID** | 253832 |
| **Other Names** | Probable palmitoyltransferase ZDHHC20, Zinc finger DHHC domain-containing protein 20, DHHC-20, ZDHHC20 |
| **Target/Specificity** | This ZDHHC20 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-54 amino acids from the N-terminal region of human ZDHHC20. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 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** | ZDHHC20 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | ZDHHC20 ( HGNC:20749) |
| **Function** | Palmitoyltransferase that could catalyze the addition of palmitate onto various protein substrates (PubMed:27153536, PubMed:29326245, PubMed:33219126). Catalyzes palmitoylation of Cys residues in the |

cytoplasmic C-terminus of EGFR, and modulates the duration of EGFR signaling by modulating palmitoylation-dependent EGFR internalization and degradation (PubMed:27153536). Has a preference for acyl-CoA with C16 fatty acid chains (PubMed:29326245). Can also utilize acyl-CoA with C14 and C18 fatty acid chains (PubMed:29326245). May palmitoylate CALHM1 subunit of gustatory voltage-gated ion channels and modulate channel gating and kinetics. Palmitoylates TRIM28 and thereby plays an important role in the DNA damage repair response (PubMed:41109928).

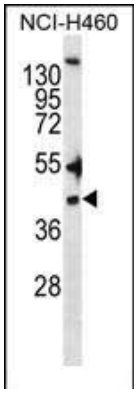
**Cellular Location**

Golgi apparatus membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region. Endoplasmic reticulum membrane; Multi-pass membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein

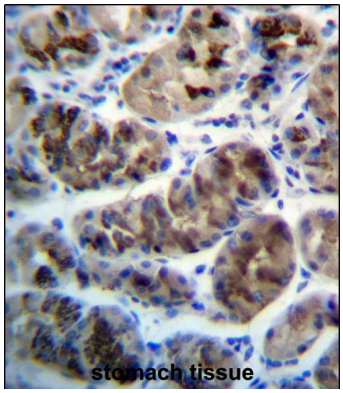
## Background

The specific function of this protein remains unknown.

## Images




ZDHHC20 Antibody (N-term) (Cat. #AP13355a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the ZDHHC20 antibody detected the ZDHHC20 protein (arrow).




ZDHHC20 Antibody (N-term) (Cat. #AP13355a)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ZDHHC20 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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