

**ZDHHC1/ZNF377 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57100****Specification****ZDHHC1/ZNF377 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q8WTX9</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZDHHC1/ZNF377
Epitope Specificity	1-100/485
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
SIMILARITY	Belongs to the DHHC palmitoyltransferase family. Contains 1 DHHC-type zinc finger.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**ZDHHC1/ZNF377 Polyclonal Antibody - Additional Information****Gene ID** 29800**Other Names**

Palmitoyltransferase ZDHHC1, 2.3.1.225, DHHC-1, Zinc finger protein 377, ZDHHC1 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=17916](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17916))  
HGNC:17916

**Target/Specificity**

Expressed at high levels in fetal lung, kidney and heart. Expressed at lower levels in adult pancreas and lung.

**Dilution**

WB~~1:1000  
IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**ZDHHC1/ZNF377 Polyclonal Antibody - 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</a>). 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:<a href="http://www.uniprot.org/citations/39173637" target="\_blank">39173637</a>).

**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/ZNF377 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](#)

**ZDHHC1/ZNF377 Polyclonal Antibody - Images**