

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	Q8WTX9
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
Purity	
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)
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

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: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/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