10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ZDHHC16 Rabbit pAb

ZDHHC16 Rabbit pAb
Catalog # AP58710

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q969W1
Predicted	Human, Mouse, Rat, Chicken, Dog, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43633
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZDHHC16
Epitope Specificity	271-377/377
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	Endoplasmic reticulum membrane; Multi-pass membrane protein (By similarity).
SIMILARITY	Belongs to the DHHC palmitoyltransferase family. Contains 1 DHHC-type zinc finger.
SUBUNIT	Interacts with ABL1 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	May be involved in apoptosis regulation.

Additional Information

Gene ID	84287
Other Names	Palmitoyltransferase ZDHHC16, 2.3.1.225, Abl-philin 2, Zinc finger DHHC domain-containing protein 16, DHHC-16, ZDHHC16 (HGNC:20714)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	ZDHHC16 (HGNC:20714)

Function	Palmitoyl acyltransferase that mediates palmitoylation of proteins such as PLN and ZDHHC6 (PubMed:28826475). Required during embryonic heart development and cardiac function, possibly by mediating palmitoylation of PLN, thereby affecting PLN phosphorylation and homooligomerization (By similarity). Also required for eye development (By similarity). Palmitoylates ZDHHC6, affecting the quaternary assembly of ZDHHC6, its localization, stability and function (PubMed:28826475). May play a role in DNA damage response (By similarity). May be involved in apoptosis regulation (By similarity). Involved in the proliferation of neural stem cells by regulating the FGF/ERK pathway (By similarity).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9ESG8}
Tissue Location	Widely expressed..

Background

May be involved in apoptosis regulation.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.