

ZDHHC19 Rabbit pAb

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Catalog # AP57104

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WVZ1
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34352
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZDHHC19
Epitope Specificity	161-260/309
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ZDHHC19 is a 309 amino acid multi-pass membrane protein that contains one DHHC-type zinc finger and is thought to function as a palmitoyltransferase, catalyzing the transformation of palmitoyl-CoA and a cysteine-conjugated protein to a S-palmitoyl protein and free CoA. The gene encoding ZDHHC19 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

Additional Information

Gene ID	131540
Other Names	Palmitoyltransferase ZDHHC19, 2.3.1.225, Zinc finger DHHC domain-containing protein 19, DHHC-19, ZDHHC19 {ECO:0000303 PubMed:37802024, ECO:0000312 HGNC:HGNC:20713}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	ZDHHC19 {ECO:0000303 PubMed:37802024, ECO:0000312 HGNC:HGNC:20713}
Function	Palmitoyltransferase that mediates palmitoylation of proteins, such as RRAS and SQSTM1 (PubMed: 20074548 , PubMed: 37802024). Catalyzes palmitoylation of RRAS, leading to increased cell viability (PubMed: 20074548). Acts as a positive regulator of autophagy by mediating palmitoylation of SQSTM1, promoting affinity between SQSTM1 and ATG8 proteins and recruitment of ubiquitinated cargo proteins to autophagosomes (PubMed: 37802024). Palmitoyltransferase activity may be crucial for spermatogenesis (By similarity).
Cellular Location	Golgi apparatus membrane {ECO:0000269 PubMed:20074548, ECO:0000305}; Multi-pass membrane protein. Cytoplasm, perinuclear region. Cell membrane {ECO:0000250 UniProtKB:Q810M5}; Multi-pass membrane protein. Note=Located in the cell membrane of spermatids Colocalizes with TEX38 at the plasma membrane of spermatids {ECO:0000250 UniProtKB:Q810M5}

Background

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