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ZDHHC1/ZNF377 Rabbit pAb

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Catalog # AP57100

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WTX9
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54818
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	29800
Other Names	Palmitoyltransferase ZDHHC1, 2.3.1.225, DHHC domain-containing cysteine-rich protein 1, Zinc finger DHHC domain-containing protein 1 {ECO:0000312|HGNC:HGNC:17916}, DHHC-1, Zinc finger protein 377, ZDHHC1 {ECO:0000303|PubMed:39173637, ECO:0000312|HGNC:HGNC:17916}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	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).

Background

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