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ZDHHC13/HIP14L Rabbit pAb

Catalog # AP98378

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IUH4
Other Accession	Q8IUH4
Reactivity	Rat, Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70861
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZDHHC13/HIP14L
Epitope Specificity	501-600/622
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the DHHC palmitoyltransferase family. AKR/ZDHHC17 subfamily. Contains 6 ANK repeats. 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.
Background Descriptions	ZDHHC13 is a 622 amino acid multi-pass membrane protein that contains one DHHC-type zinc finger and six ANK repeats. Expressed as multiple alternatively spliced isoforms, HIP14L functions as a palmitoyltransferase that catalyzes the conversion of palmitoyl-CoA and a protein-cyeteine to an S-palmitoyl protein and CoA and, via this catalytic activity, may be involved in the NF x B signaling pathway. The gene encoding HIP14L maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

Additional Information

Gene ID	54503
Other Names	HIP14L; HIP3RP; 2410004E01Rik; C530010M18; kojak; skc4; DHHC-13; fi22e09; wu:fb06e01; wu:fc39g10; wu:fi22e09; zgc:101690; ZDH13_HUMAN; ZDHHC13; Huntingtin-interacting protein 14-related protein (HIP14-related protein); Huntingtin-interacting protein HIP3RP; Putative MAPK-activating protein PM03; Putative NF-kappa-B-activating protein 209; Zinc finger DHHC domain-containing protein 13 (DHHC-13); 2.3.1.225; ZDH13_MOUSE; zDHHC palmitoyltransferase 13; zinc finger DHHC-type containing 13; zinc finger DHHC-type palmitoyltransferase 13
Dilution	IHC-P=1:100-500,IHC-F=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	ZDHHC13 (HGNC:18413)
Function	Palmitoyltransferase that could catalyze the addition of palmitate onto various protein substrates (By similarity). Palmitoyltransferase for HTT and GAD2. May play a role in Mg(2+) transport.
Cellular Location	Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9CWU2}; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q9CWU2}; Multi-pass membrane protein. Note=Low extracellular Mg(2+) induces increase in Golgi and in post-Golgi vesicles. {ECO:0000250|UniProtKB:Q9CWU2}

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