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

ZDHHC18 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22103b

Product Information

Application	WB, E
Primary Accession	Q9NUE0
Other Accession	Q5Y5T2, Q2TGJ1
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55889
Calculated MW	42031

Additional Information

Gene ID	84243
Other Names	Palmitoyltransferase ZDHHC18, 2.3.1.225, Zinc finger DHHC domain-containing protein 18, DHHC-18, ZDHHC18
Target/Specificity	This ZDHHC18 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 331-361 amino acids from human ZDHHC18.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZDHHC18 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZDHHC18 {ECO:0000303|PubMed:35438208, ECO:0000312|HGNC:HGNC:20712}
Function	Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates, such as CGAS, HRAS and LCK (PubMed:23034182,

PubMed:27481942, PubMed:35438208). Acts as a negative regulator of the cGAS-STING pathway be mediating palmitoylation and inactivation of CGAS (PubMed:35438208). May also have a palmitoyltransferase activity toward the beta-2 adrenergic receptor/ADRB2 and therefore regulate G protein-coupled receptor signaling (PubMed:27481942).

Cellular Location Golgi apparatus membrane; Multi-pass membrane protein

Tissue Location Widely expressed..

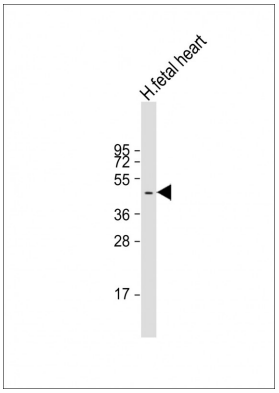
Background

Has palmitoyltransferase activity towards HRAS and LCK.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



Anti-ZDHHC18 Antibody (C-Term) at 1:1000 dilution + human fetal heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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