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DHHC-15 Polyclonal Antibody

Catalog # AP69525

Product Information

Application	WB
Primary Accession	Q96MV8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39331

Additional Information

Gene ID	158866
Other Names	ZDHHC15; Palmitoyltransferase ZDHHC15; Zinc finger DHHC domain-containing protein 15; DHHC-15
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

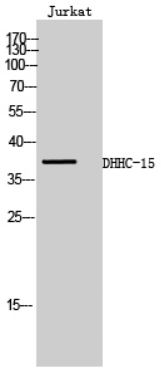
Name	ZDHHC15 (HGNC:20342)
Function	Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates (PubMed:18817523, PubMed:23034182). Has no stringent fatty acid selectivity and in addition to palmitate can also transfer onto target proteins myristate from tetradecanoyl-CoA and stearate from octadecanoyl-CoA (By similarity). Palmitoylates IGF2R and SORT1, promoting their partitioning to an endosomal membrane subdomain where they can interact with the retromer cargo-selective complex (PubMed:18817523). Thereby, regulates retrograde transport from endosomes to the Golgi apparatus of these lysosomal sorting receptors and plays a role in trafficking of lysosomal proteins (PubMed:18817523). In the nervous system, catalyzes the palmitoylation of DLG4/PSD95 and regulates its synaptic clustering and function in synaptogenesis (By similarity). Could be involved in the differentiation of dopaminergic neurons and the development of the diencephalon (By similarity). Could also catalyze the palmitoylation of GAP43 (By similarity). Could also palmitoylate DNAJC5 and regulate its localization to the Golgi membrane (By similarity). Could also palmitoylate FYN as shown in vitro (PubMed:19956733). May palmitoylate CALHM3 subunit of gustatory

	voltage-gated ion channels and modulate channel gating and kinetics.
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:F1QXD3}. Postsynaptic density {ECO:0000250|UniProtKB:Q2TGJ4}
Tissue Location	Expressed in placenta, liver, lung, kidney, heart and brain.

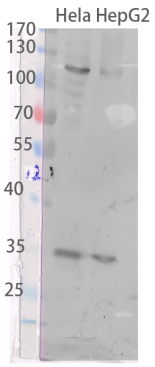
Background

Catalyzes palmitoylation of Cys residues on target proteins. Catalyzes palmitoylation of GAP43 and DLG4/PSD95.

Images



Western Blot analysis of Jurkat cells using DHHC-15 Polyclonal Antibody



The picture was kindly provided by our customer,antibody was diluted at 1:500