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DHHC-15 Polyclonal Antibody
Catalog # AP69525

Specification

DHHC-15 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q96MV8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

DHHC-15 Polyclonal Antibody - 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℃

DHHC-15 Polyclonal Antibody - 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}

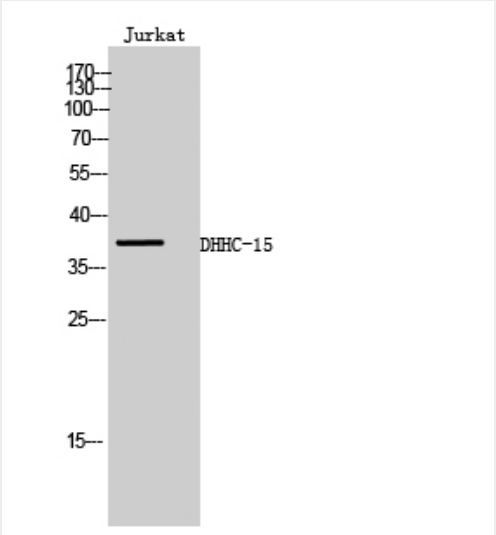
Tissue Location
Expressed in placenta, liver, lung, kidney, heart and brain.

DHHC-15 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DHHC-15 Polyclonal Antibody - Images



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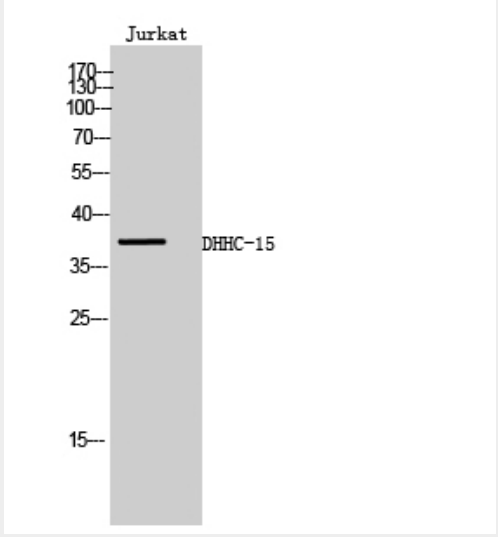

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DHHC-15 Polyclonal Antibody - Background

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