

# ZDHC17 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12748

## Product Information

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| Application       | WB, IHC                                                                     |
| Primary Accession | <a href="#">Q8IUH5</a>                                                      |
| Other Accession   | <a href="#">NM_015336</a> , <a href="#">NP_056151</a>                       |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine   |
| Predicted         | Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine |
| Host              | Rabbit                                                                      |
| Clonality         | Polyclonal                                                                  |
| Calculated MW     | 72640                                                                       |

## Additional Information

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                     | 23390                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alias Symbol<br>Other Names | HIP14, HIP3, HSPC294, HYPH, KIAA0946<br>Palmitoyltransferase ZDHC17, 2.3.1.225, Huntingtin yeast partner H, Huntingtin-interacting protein 14, HIP-14, Huntingtin-interacting protein 3, HIP-3, Huntingtin-interacting protein H, Putative MAPK-activating protein PM11, Putative NF-kappa-B-activating protein 205, Zinc finger DHHC domain-containing protein 17, DHHC-17, ZDHC17, HIP14, HIP3, HYPH, KIAA0946 |
| Format                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                                                                                                                                                                                                                                                |
| Reconstitution & Storage    | Add 50 ul of distilled water. Final anti-ZDHC17 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                  |
| Precautions                 | ZDHC17 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                |

## Protein Information

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name     | ZDHC17 ( <a href="#">HGNC:18412</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Function | Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and is involved in a variety of cellular processes (PubMed: <a href="#">15489887</a> , PubMed: <a href="#">15603740</a> , PubMed: <a href="#">24705354</a> , PubMed: <a href="#">27911442</a> , PubMed: <a href="#">28757145</a> ). 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). |

Palmitoyltransferase specific for a subset of neuronal proteins, including SNAP25, DLG4/PSD95, GAD2, SYT1 and HTT (PubMed:[15489887](#), PubMed:[15603740](#), PubMed:[19139280](#), PubMed:[28757145](#)). Also palmitoylates neuronal protein GPM6A as well as SPRED1 and SPRED3 (PubMed:[24705354](#)). Could also play a role in axonogenesis through the regulation of NTRK1 and the downstream ERK1/ERK2 signaling cascade (By similarity). May be involved in the sorting or targeting of critical proteins involved in the initiating events of endocytosis at the plasma membrane (PubMed:[12393793](#)). May play a role in Mg(2+) transport (PubMed:[18794299](#)). Could also palmitoylate DNAJC5 and regulate its localization to the Golgi membrane (By similarity). Palmitoylates CASP6, thereby preventing its dimerization and subsequent activation (PubMed:[27911442](#)).

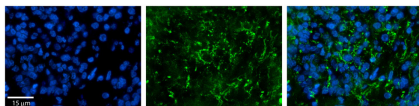
## Cellular Location

Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Presynaptic cell membrane; Multi-pass membrane protein. Note=Low extracellular Mg(2+) induces increase in Golgi and in post-Golgi membrane vesicles

## Tissue Location

Expressed in all brain regions. Expression is highest in the cortex, cerebellum, occipital lobe and caudate and lowest in the spinal cord. Expression is also seen in testis, pancreas, heart and kidney.

## Images

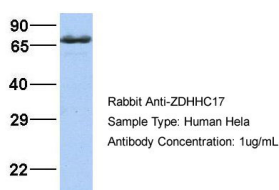


Rabbit Anti-ZDHHC17 Antibody  
Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue Observed Staining: Cytoplasmic in vesicles and processes of pinealocytes  
Primary Antibody  
Concentration: 1:100  
Secondary Antibody: Donkey anti-Rabbit-Cy3  
Secondary Antibody  
Concentration: 1:200  
Magnification: 20X  
Exposure Time: 0.5 - 2.0 sec



WB Suggested Anti-ZDHHC17 Antibody Titration: 0.2-1 µg/ml  
Positive Control: HeLa cell lysate  
ZDHHC17 is supported by BioGPS gene expression data to be expressed in HeLa

### ZDHHC17



Host: Rabbit  
Target Name: ZDHHC17  
Sample Tissue: HeLa  
Antibody Dilution: 1.0µg/ml  
ZDHHC17 is supported by BioGPS gene expression data to be expressed in HeLa