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

ZDHHC17 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12748

Specification

ZDHHC17 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	Q8IUH5
Other Accession	NM_015336, NP_056151
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**73kDa KDa**

ZDHHC17 antibody - middle region - Additional Information

Gene ID 23390

Alias Symbol **HIP14, HIP3, HSPC294, HYPH, KIAA0946**

Other Names
Palmitoyltransferase ZDHHC17, 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, ZDHHC17, 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-ZDHHC17 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
ZDHHC17 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

ZDHHC17 antibody - middle region - Protein Information

Name ZDHHC17 (HGNC:18412)

Function
Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and is involved in a variety of cellular processes (PubMed:15489887, PubMed:15603740, PubMed:<a

href="http://www.uniprot.org/citations/24705354" target="_blank">24705354, PubMed:27911442, PubMed:28757145). 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

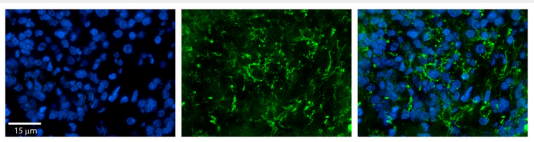
Tissue Location
Expressed in all brain regions. Expression is highest in the cortex, cerebellum, occipital lobe and caudate and lowest in the spinal cord. Expression is also seen in testis, pancreas, heart and kidney.

ZDHHC17 antibody - middle region - 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

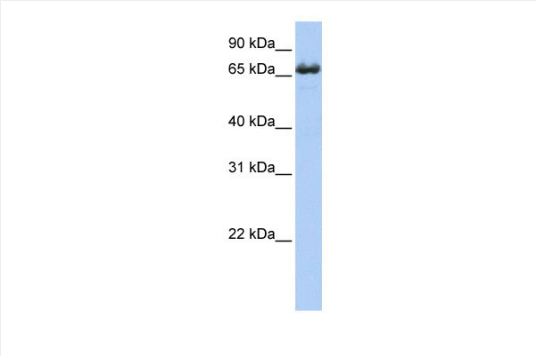
ZDHHC17 antibody - middle region - Images



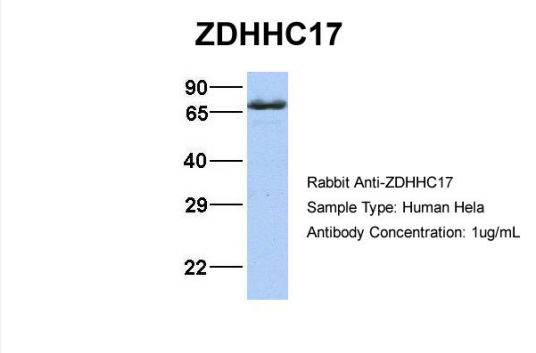
Rabbit Anti-ZDHHC17 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue Observed Staining: Cytoplasmic in

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

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



Host: Rabbit
Target Name: ZDHHC17
Sample Tissue: Hela
Antibody Dilution: 1.0µg/mlZDHHC17 is supported by BioGPS gene expression data to be expressed in HeLa