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Goat Anti-ZDHHC8 Antibody

Peptide-affinity purified goat antibody
Catalog # AF2169a

Specification

Goat Anti-ZDHHC8 Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9ULC8
Other Accession	NP_037505, 29801, 27801 (mouse), 303796 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**81443**

Goat Anti-ZDHHC8 Antibody - Additional Information

Gene ID 29801

Other Names
Probable palmitoyltransferase ZDHHC8, 2.3.1.225, Zinc finger DHHC domain-containing protein 8, DHHC-8, Zinc finger protein 378, ZDHHC8, KIAA1292, ZDHHCL1, ZNF378

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-ZDHHC8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ZDHHC8 Antibody - Protein Information

Name ZDHHC8 (HGNC:18474)

Function

Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and therefore functions in several unrelated biological processes (Probable). Through the palmitoylation of ABCA1 regulates the localization of the transporter to the plasma membrane and thereby regulates its function in cholesterol and phospholipid efflux (Probable). Could also pamitoylate the D(2) dopamine receptor DRD2 and regulate its stability and localization to the plasma membrane (Probable). Could also play a role in glutamatergic transmission (By similarity).

Cellular Location
Golgi apparatus membrane; Multi-pass membrane protein. Mitochondrion membrane {ECO:0000250|UniProtKB:Q5Y5T5}; Multi-pass membrane protein

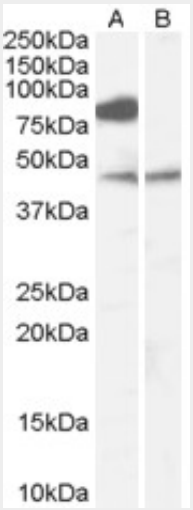
Tissue Location
Widely expressed..

Goat Anti-ZDHHC8 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

Goat Anti-ZDHHC8 Antibody - Images



AF2169a (0.1 µg/ml) staining of Human Brain (Frontal Cortex) lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

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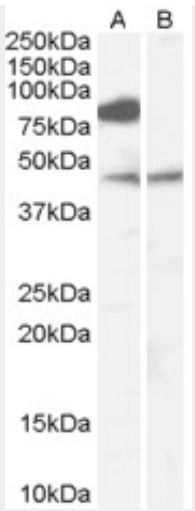

EB07652 (0.1µg/ml) staining of Human Brain (Frontal Cortex) lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ZDHHC8 Antibody - Background

This gene encodes a four transmembrane protein that is a member of the zinc finger DHHC domain-containing protein family. The encoded protein may function as a palmitoyltransferase. Defects in this gene may be associated with a susceptibility to schizophrenia. Alternate splicing of this gene results in multiple transcript variants. A pseudogene of this gene is found on chromosome 22.

Goat Anti-ZDHHC8 Antibody - References

Testing for genetic association between the ZDHHC8 gene locus and susceptibility to schizophrenia: An integrated analysis of multiple datasets. Xu M, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 May 24. PMID 20661937.
Association of ZDHHC8 polymorphisms with smooth pursuit eye movement abnormality. Shin HD, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Sep. PMID 20468065.
Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.
Proteome scale characterization of human S-acylated proteins in lipid raft-enriched and non-raft membranes. Yang W, et al. Mol Cell Proteomics, 2010 Jan. PMID 19801377.
Palmitoylation of ATP-binding cassette transporter A1 is essential for its trafficking and function. Singaraja RR, et al. Circ Res, 2009 Jul 17. PMID 19556522.