ZDHHC8 (G-18): sc-86945



The Power to Question

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZDHHC8 (zinc finger, DHHC-type containing 8), also known as KIAA1292, ZDHHCL1 or ZNF378 (zinc finger protein 378), is a 765 amino acid multi-pass membrane protein that localizes to the membrane of cytoplasmic vesicles and contains one DHHC-type zinc finger. Expressed as multiple alternatively spliced isoforms, ZDHHC8 functions as a putative palmitoyltransferase that catalyzes the conversion of palmitoyl-CoA and a protein-cysteine to an S-palmitoyl protein and free CoA, a reaction that is important in glutamatergic transmission. Defects in the gene encoding ZDHHC8 may be associated with an increased susceptibility to schizophrenia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZDHHC8 (human) mapping to 22q11.21; Zdhhc8 (mouse) mapping to 16 A3.

SOURCE

ZDHHC8 (G-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZDHHC8 of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 100 μg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86945 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-86945 X, $100 \mu g/0.1 \text{ ml}$.

APPLICATIONS

ZDHHC8 (G-18) is recommended for detection of ZDHHC8 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other ZDHHC family members.

ZDHHC8 (G-18) is also recommended for detection of ZDHHC8 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for ZDHHC8 siRNA (h): sc-76955, ZDHHC8 siRNA (m): sc-155508, ZDHHC8 shRNA Plasmid (h): sc-76955-SH, ZDHHC8 shRNA Plasmid (m): sc-155508-SH, ZDHHC8 shRNA (h) Lentiviral Particles: sc-76955-V and ZDHHC8 shRNA (m) Lentiviral Particles: sc-155508-V.

ZDHHC8 (G-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZDHHC8: 81 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit lgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit lgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit lgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit lgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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