

ZDHHC8 (S-14): sc-86947

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.

CHROMOSOMAL LOCATION

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

SOURCE

ZDHHC8 (S-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZDHHC8 of human origin.

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-86947 P, (100 µg 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-86947 X, 100 µg/0.1 ml.

RESEARCH USE

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

APPLICATIONS

ZDHHC8 (S-14) 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), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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.

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 (S-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

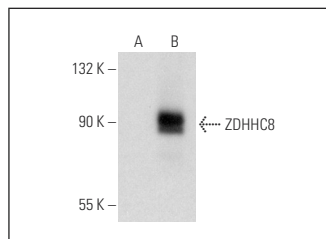
Molecular Weight of ZDHHC8: 81 kDa.

Positive Controls: KNRK whole cell lysate: sc-2214, mouse liver extract: sc-2256 or LADMAC whole cell lysate: sc-364189.

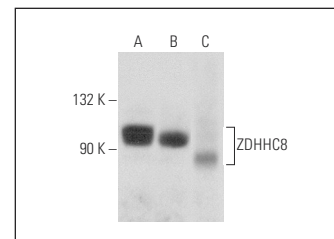
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZDHHC8 (S-14): sc-86947. Western blot analysis of ZDHHC8 expression in non-transfected: sc-117752 (A) and human ZDHHC8 transfected: sc-116485 (B) 293T whole cell lysates.



ZDHHC8 (S-14): sc-86947. Western blot analysis of ZDHHC8 expression in KNRK (A) and LADMAC (B) whole cell lysates and mouse brain tissue extract (C).

STORAGE

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

PROTOCOLS

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

MONOS
Satisfaction
Guaranteed

Try **ZDHHC8 (B-3): sc-374191**, our highly recommended monoclonal alternative to ZDHHC8 (S-14).