

ZDHHC14 (T-18): sc-249400

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. ZDHHC14 (zinc finger, DHHC-type containing 14), also known as DHHC-14 or NEW1CP, is a 488 amino acid multi-pass membrane protein that contains one DHHC-type zinc finger. The DHHC domain is required for the primary function of ZDHHC14 as a palmitoyltransferase, to catalyze the transformation of palmitoyl-CoA and a cysteine-conjugated protein to an S-palmitoyl protein and free CoA. The gene encoding ZDHHC14 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. Two isoforms of ZDHHC14 exist as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZDHHC14 (human) mapping to 6q25.3; Zdhhc14 (mouse) mapping to 17 A1.

SOURCE

ZDHHC14 (T-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZDHHC14 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-249400 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZDHHC14 (T-18) is recommended for detection of ZDHHC14 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.

ZDHHC14 (T-18) is also recommended for detection of ZDHHC14 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ZDHHC14 siRNA (h): sc-95174, ZDHHC14 siRNA (m): sc-155492, ZDHHC14 shRNA Plasmid (h): sc-95174-SH, ZDHHC14 shRNA Plasmid (m): sc-155492-SH, ZDHHC14 shRNA (h) Lentiviral Particles: sc-95174-V and ZDHHC14 shRNA (m) Lentiviral Particles: sc-155492-V.

Molecular Weight of ZDHHC14: 53 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

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.