

ZDHHC9 (E-17): sc-244726

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. ZDHHC9 (zinc-finger, DHHC-type containing 9), also known as DHHC9, CGI-89, ZNF379 or CXorf11, is a 364 amino acid protein that localizes to the membrane of the endoplasmic reticulum and contains one DHHC-type zinc-finger. Expressed at high levels in brain, lung, kidney, liver and skeletal muscle, ZDHHC9 exists in a complex with GOLGA7 and, via its DHHC domain, functions as a palmitoyltransferase that is specific for H-Ras and N-Ras. Mutations in the gene encoding ZDHHC9 are associated with X-linked mental retardation and colorectal cancer, the latter of which suggests a role in tumorigenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZDHHC9 (human) mapping to Xq26.1; Zdhhc9 (mouse) mapping to X A4.

SOURCE

ZDHHC9 (E-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of ZDHHC9 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-244726 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZDHHC9 (E-17) is recommended for detection of ZDHHC9 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).

ZDHHC9 (E-17) is also recommended for detection of ZDHHC9 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for ZDHHC9 siRNA (h): sc-90991, ZDHHC9 siRNA (m): sc-155509, ZDHHC9 shRNA Plasmid (h): sc-90991-SH, ZDHHC9 shRNA Plasmid (m): sc-155509-SH, ZDHHC9 shRNA (h) Lentiviral Particles: sc-90991-V and ZDHHC9 shRNA (m) Lentiviral Particles: sc-155509-V.

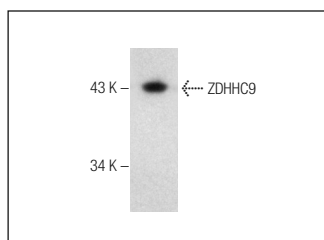
Molecular Weight of ZDHHC9: 36 kDa.

Positive Controls: COLO 320DM cell lysate: sc-2226.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



ZDHHC9 (E-17): sc-244726. Western blot analysis of ZDHHC9 expression in COLO 320DM whole cell lysate.

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.