

# HIP14L (G-19): sc-69419

## 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. HIP14L, also known as ZDHC13 (zinc finger, DHC-type containing 13) or HIP3RP, is a 622 amino acid multi-pass membrane protein that contains one DHC-type zinc finger and 6 ANK repeats. Expressed as multiple alternatively spliced isoforms, HIP14L functions as a palmitoyltransferase that catalyzes the conversion of palmitoyl-CoA and a protein-cysteine to an S-palmitoyl protein and CoA and, via this catalytic activity, may be involved in the NF $\kappa$ B signaling pathway. The gene encoding HIP14L maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZDHC13 (human) mapping to 11p15.1; Zdhc13 (mouse) mapping to 7 B4.

## SOURCE

HIP14L (G-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of HIP14L 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 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-69419 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

HIP14L (G-19) is recommended for detection of HIP14L 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).

HIP14L (G-19) is also recommended for detection of HIP14L in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for HIP14L siRNA (h): sc-75257, HIP14L siRNA (m): sc-75258, HIP14L shRNA Plasmid (h): sc-75257-SH, HIP14L shRNA Plasmid (m): sc-75258-SH, HIP14L shRNA (h) Lentiviral Particles: sc-75257-V and HIP14L shRNA (m) Lentiviral Particles: sc-75258-V.

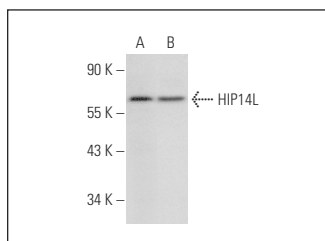
Molecular Weight of HIP14L: 71 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or NCI-H292 whole cell lysate: sc-364179.

## 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.

## DATA



HIP14L (G-19): sc-69419. Western blot analysis of HIP14L expression in HeLa (A) and NCI-H292 (B) whole cell lysates.

## RESEARCH USE

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