SANTA CRUZ BIOTECHNOLOGY, INC.

LHFP (S-16): sc-84350

BACKGROUND

The development of lipomas, benign tumors composed of fatty tissues, have been linked to breakpoints in the HMGI-C gene. LHFP (lipoma HMGIC fusion partner) is a 200 amino acid multi-pass membrane protein that acts as a fusion partner with HMGI-C in a lipoma with the translocation t(12;13)(q13-q15;q12). Located on chromosome 13, the gene encoding LHFP is in a region that is frequently targeted by chromosomal aberrations in lipomas. The LHFP/HMGIC fusion transcript expresses 69 amino acids encoded by frame-shift LHFP sequences and three DNA binding domains of HMGIC. The mouse homolog of LHFP shares 94% sequence similarity with the human protein. With the exception of peripheral blood leukocytes, LHFP is ubiquitously expressed.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LHFP (human) mapping to 13q13.3; Lhfp (mouse) mapping to 3 C.

SOURCE

LHFP (S-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of LHFP 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-84350 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-84350 X, 200 µg/0.1 ml.

APPLICATIONS

LHFP (S-16) is recommended for detection of LHFP 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).

LHFP (S-16) is also recommended for detection of LHFP in additional species, including canine and bovine.

Suitable for use as control antibody for LHFP siRNA (h): sc-75424, LHFP siRNA (m): sc-146719, LHFP shRNA Plasmid (h): sc-75424-SH, LHFP shRNA Plasmid (m): sc-146719-SH, LHFP shRNA (h) Lentiviral Particles: sc-75424-V and LHFP shRNA (m) Lentiviral Particles: sc-146719-V.

LHFP (S-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of LHFP: 22 kDa.

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) 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.

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.