BACKGROUND

LTBP-3 (latent TGF-β-binding protein 3) is a structural component of connective tissue microfibrils that plays an essential role in TGF-β1 secretion and targeting. LTBP-3 is present at high levels in human heart, skeletal muscle, prostate and ovaries and in certain osteosarcoma and fibroblastic cell lines. Human LTBP-3 localizes to chromosome position 11q13.1.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: LTBP3 (human) mapping to 11q13.1; Ltbp3 (mouse) mapping to 19 A.

SOURCE

LTBP-3 (H-11) is a mouse monoclonal antibody raised against amino acids 1041-1250; deletion 1082-1129 mapping near the C-terminus of LTBP-3 of human origin.

PRODUCT

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

LTBP-3 (H-11) is recommended for detection of LTBP-3 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).

Suitable for use as control antibody for LTBP-3 siRNA (h): sc-106921, LTBP-3 siRNA (m): sc-149138, LTBP-3 shRNA Plasmid (h), sc-106921-SH, LTBP-3 shRNA Plasmid (m): sc-149138-SH, LTBP-3 shRNA (h) Lentiviral Particles: sc-106921-V and LTBP-3 shRNA (m) Lentiviral Particles: sc-149138-V.

Positive Controls: F9 cell lysate: sc-2245, HeLa whole cell lysate: sc-2200 or human skeletal muscle extract: sc-363776.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker); sc-516102-CM (dilution range: 1:1000-1:10000), 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-2043 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgGκ BP-RTC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

DATA

SELECT PRODUCT CITATIONS


RESEARCH USE

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

PROTOCOLS

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