# Gcap14 (h): 293T Lysate: sc-114871



The Power to Question

# **BACKGROUND**

Gcap14, also known as FAM190B (family with sequence similarity 190, member B), is an 834 amino acid protein that exists as three alternatively spliced isoforms and belongs to the FAM190 family. The gene encoding Gcap14 maps to human chromosome 10q23.1. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie-Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

# **REFERENCES**

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## **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

# **PROTOCOLS**

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

## **CHROMOSOMAL LOCATION**

Genetic locus: CCSER2 (human) mapping to 10g23.1.

#### **PRODUCT**

Gcap14 (h): 293T Lysate represents a lysate of human Gcap14 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

# **APPLICATIONS**

Gcap14 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Gcap14 antibodies. Recommended use: 10-20 µl per lane.

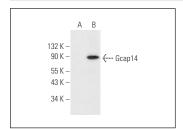
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Gcap14 (C-4): sc-393718 is recommended as a positive control antibody for Western Blot analysis of enhanced human Gcap14 expression in Gcap14 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

# **RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG $\kappa$  BP-HRP: sc-516102 or m-lgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>TM</sup> Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

# DATA



Gcap14 (C-4): sc-393718. Western blot analysis of Gcap14 expression in non-transfected: sc-117752 (A) and human Gcap14 transfected: sc-114871 (B) 293T whole cell lysates.

#### **RESEARCH USE**

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