

CTRP2 (h): 293T Lysate: sc-116312

BACKGROUND

CTRP2, also known as C1QTNF2 (C1q and tumor necrosis factor related protein 2) or *zacr2*, is a 285 amino acid secreted protein that contains one C1q domain and one collagen-like domain and is encoded by a gene that maps to human chromosome 5. Chromosome 5 contains 181 million base pairs and comprises nearly 6% of the human genome. Chromosome 5 is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5-associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

REFERENCES

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3. Law, S.F., Zhang, Y.Z., Klein-Szanto, A.J. and Golemis, E.A. 1998. Cell cycle-regulated processing of HEF1 to multiple protein forms differentially targeted to multiple subcellular compartments. *Mol. Cell. Biol.* 18: 3540-3551.
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CHROMOSOMAL LOCATION

Genetic locus: C1QTNF2 (human) mapping to 5q33.3.

PRODUCT

CTRP2 (h): 293T Lysate represents a lysate of human CTRP2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

CTRP2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CTRP2 antibodies.

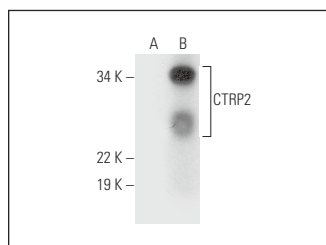
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CTRP2 (B-3): sc-390778 is recommended as a positive control antibody for Western Blot analysis of enhanced human CTRP2 expression in CTRP2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

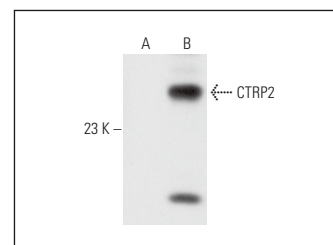
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-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, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



CTRP2 (B-3): sc-390778. Western blot analysis of CTRP2 expression in non-transfected: sc-117752 (A) and human CTRP2 transfected: sc-116312 (B) 293T whole cell lysates.



CTRP2 (10B8): sc-134307. Western blot analysis of CTRP2 expression in non-transfected: sc-117752 (A) and human CTRP2 transfected: sc-116312 (B) 293T whole cell lysates.

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.

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.