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9430016H08Rik (m): 293T Lysate: sc-118080

BACKGROUND

C2orf47 (chromosome 2 open reading frame 47), also known as FLJ22555 or DKFZp666A212, is a 291 amino acid mitochondrial protein that is encoded by a gene located on human chromosome 2q33.1. The second largest human chromosome, chromosome 2 consists of 237 million bases, encodes over 1,400 genes and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: 9430016H08Rik (mouse) mapping to 1 C1.3.

PRODUCT

9430016H08Rik (m): 293T Lysate represents a lysate of mouse 9430016H08Rik transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

9430016H08Rik (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive 9430016H08Rik antibodies. Recommended use: 10-20 µl per lane.

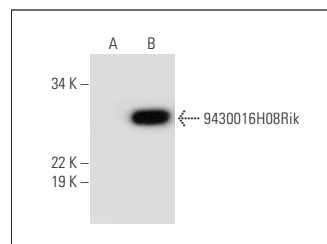
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

C2orf47 (D-12): sc-390662 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse 9430016H08Rik expression in 9430016H08Rik transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

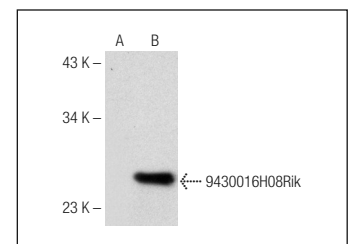
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (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.

DATA



C2orf47 (D-12): sc-390662. Western blot analysis of 9430016H08Rik expression in non-transfected: sc-117752 (A) and mouse 9430016H08Rik transfected: sc-118080 (B) 293T whole cell lysates.



C2orf47 (C-13): sc-240125. Western blot analysis of 9430016H08Rik expression in non-transfected: sc-117752 (A) and mouse 9430016H08Rik transfected: sc-118080 (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 or our catalog for detailed protocols and support products.