SANTA CRUZ BIOTECHNOLOGY, INC.

FAM63B (C-16): sc-242767

BACKGROUND

Encoding more than 700 genes, chromosome 15 is made up of approximately 106 million base pairs and is about 3% of the human genome. Angelman and Prader-Willi syndromes are associated with loss of function or deletion of genes in the 15q11-q13 region. In the case of Angelman syndrome, this loss is due to inactivity of the maternal 15q11-q13-encoded UBE3A gene in the brain by either chromosomal deletion or mutation. In cases of Prader-Willi syndrome, there is a partial or complete deletion of this region from the paternal copy of chromosome 15. Tay-Sachs disease is a lethal disorder associated with mutations of the HEXA gene, which is encoded by chromosome 15. Marfan syndrome is associated with chromosome 15 through the FBN1 gene. The FAM63B gene product has been provisionally designated FAM63B pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM63B (human) mapping to 15q21.3; Fam63b (mouse) mapping to 9 D.

STORAGE

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

SOURCE

FAM63B (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FAM63B of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-242767 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FAM63B (C-16) is recommended for detection of FAM63B of mouse, rat and human origin by Western Blotting (starting dilution 1:200, 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); non cross-reactive with FAM63A.

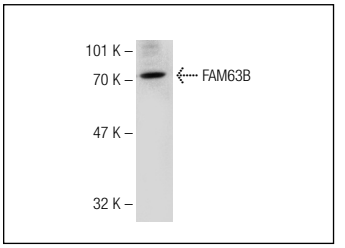
FAM63B (C-16) is also recommended for detection of FAM63B in additional species, including canine and bovine.

Suitable for use as control antibody for FAM63B siRNA (h): sc-90248, FAM63B siRNA (m): sc-141441, FAM63B shRNA Plasmid (h): sc-90248-SH, FAM63B shRNA Plasmid (m): sc-141441-SH, FAM63B shRNA (h) Lentiviral Particles: sc-90248-V and FAM63B shRNA (m) Lentiviral Particles: sc-141441-V.

Molecular Weight of FAM63B: 67 kDa.

Positive Controls: IMR-32 cell lysate: sc-2409.

DATA



FAM63B (C-16): sc-242767. Western blot analysis of FAM63B expression in IMR-32 whole cell lysate.

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.