

Fam148b (A-14): sc-163576

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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C2cd4b (mouse) mapping to 9 C; Fam148b (rat) mapping to 8q24.

STORAGE

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

SOURCE

Fam148b (A-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Fam148b of mouse origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-163576 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

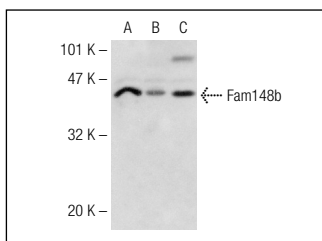
APPLICATIONS

Fam148b (A-14) is recommended for detection of Fam148b of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 NLF1.

Suitable for use as control antibody for Fam148b siRNA (m): sc-108918, Fam148b shRNA Plasmid (m): sc-108918-SH and Fam148b shRNA (m) Lentiviral Particles: sc-108918-V.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210 or CTLL-2 cell lysate: sc-2242.

DATA



Fam148b (A-14): sc-163576. Western blot analysis of Fam148b expression in NIH/3T3 (A) and Raw 264.7 (B) nuclear extracts and CTLL-2 whole cell lysate (C).

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.

MONOS
Satisfaction
Guaranteed

Try **Fam148b (E-9): sc-390660**, our highly recommended monoclonal alternative to Fam148b (A-14).