# FAM98B (B-1): sc-398375



The Power to Question

#### **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 FAM98B gene product has been provisionally designated FAM98B pending further characterization.

#### **REFERENCES**

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#### **CHROMOSOMAL LOCATION**

Genetic locus: FAM98B (human) mapping to 15q14; Fam98b (mouse) mapping to 2 E5.

## SOURCE

FAM98B (B-1) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 65-86 near the N-terminus of FAM98B of human origin.

## **STORAGE**

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

### **PRODUCT**

Each vial contains 200  $\mu$ g IgM kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-398375 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

### **APPLICATIONS**

FAM98B (B-1) is recommended for detection of FAM98B of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ 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).

Suitable for use as control antibody for FAM98B siRNA (h): sc-90109, FAM98B siRNA (m): sc-145061, FAM98B shRNA Plasmid (h): sc-90109-SH, FAM98B shRNA Plasmid (m): sc-145061-SH, FAM98B shRNA (h) Lentiviral Particles: sc-90109-V and FAM98B shRNA (m) Lentiviral Particles: sc-145061-V.

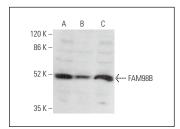
Molecular Weight of FAM98B isoforms 1/2: 37/46 kDa.

Positive Controls: Raji whole cell lysate: sc-364236, human rectum extract: sc-363775 or HEL 92.1.7 cell lysate: sc-2270.

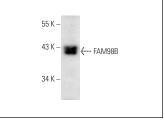
# **RECOMMENDED SUPPORT REAGENTS**

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. 2) Immunoprecipitation: use Protein L-Agarose: sc-2336 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-lgG $\kappa$  BP-FITC: sc-516140 or m-lgG $\kappa$  BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

# DATA







FAM98B (B-1): sc-398375. Western blot analysis of FAM98B expression in human rectum tissue extract.

# **RESEARCH USE**

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