

FAM71D (S-19): sc-242776

BACKGROUND

Chromosome 14 contains about 700 genes and 106 million base pairs and makes up about 3.5% of human cellular DNA. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease. The SERPINA1 gene is located on chromosome 14 and when defective leads to the genetic disorder α 1-antitrypsin deficiency. This disorder is characterized by severe lung complications and liver dysfunction. Notably, the immunoglobulin heavy chain locus is found on chromosome 14 and has been identified as a fusion with the chromosome 19 encoded protein Bcl-3 in the (14;19) translocations found in a variety of B cell malignancies. The FAM71D gene product has been provisionally designated FAM71D pending further characterization.

REFERENCES

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RESEARCH USE

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

CHROMOSOMAL LOCATION

Genetic locus: FAM71D (human) mapping to 14q23.3.

SOURCE

FAM71D (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FAM71D of human 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-242776 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

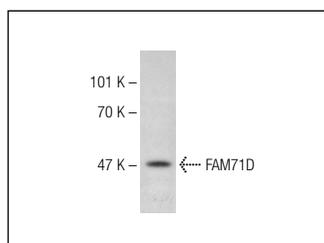
FAM71D (S-19) is recommended for detection of FAM71D of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other FAM71 family members.

Suitable for use as control antibody for FAM71D siRNA (h): sc-92352, FAM71D shRNA Plasmid (h): sc-92352-SH and FAM71D shRNA (h) Lentiviral Particles: sc-92352-V.

Molecular Weight of FAM71D: 47 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201.

DATA



FAM71D (S-19): sc-242776. Western blot analysis of FAM71D expression A-431 whole cell lysate.

STORAGE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.