

FAM167A (I-14): sc-86991

BACKGROUND

FAM167A, also known as C8orf13, is a 214 amino acid protein that belongs to the FAM167 (SEC) family. The gene encoding FAM167A maps to human chromosome 8, which consists of nearly 146 million base pairs, encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM167A (human) mapping to 8p23.1; Fam167a (mouse) mapping to 14 D1.

STORAGE

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

RESEARCH USE

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

SOURCE

FAM167A (I-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of FAM167A of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86991 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FAM167A (I-14) is recommended for detection of FAM167A of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

FAM167A (I-14) is also recommended for detection of FAM167A in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for FAM167A siRNA (h): sc-77862, FAM167A siRNA (m): sc-141650, FAM167A shRNA Plasmid (h): sc-77862-SH, FAM167A shRNA Plasmid (m): sc-141650-SH, FAM167A shRNA (h) Lentiviral Particles: sc-77862-V and FAM167A shRNA (m) Lentiviral Particles: sc-141650-V.

Molecular Weight of FAM167A: 24 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

PROTOCOLS

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