

FAM50A (XX-8): sc-100967

BACKGROUND

FAM50A (family with sequence similarity 50, member A), also known as DXS9928E, HXC26, XAP5 or 9F, is a 339 amino acid nuclear protein that belongs to the FAM50 family. Expressed ubiquitously with highest expression in fetal kidney, liver and brain, as well as adult heart, spleen, skeletal muscle, prostate and small intestine, FAM50A is thought to function as a transcription factor that may bind to DNA. FAM50A contains an SV40 large T antigen nuclear localization signal and a polymorphic CCG repeat region in its 5'-UTR. Defects in the gene encoding FAM50A may be associated with acute lymphoblastic leukemia, suggesting a possible role for FAM50A in carcinogenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM50A (human) mapping to Xq28; Fam50a (mouse) mapping to X A7.3.

SOURCE

FAM50A (XX-8) is a mouse monoclonal antibody raised against recombinant FAM50A of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

FAM50A (XX-8) is recommended for detection of FAM50A 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for FAM50A siRNA (h): sc-90950, FAM50A siRNA (m): sc-155372, FAM50A shRNA Plasmid (h): sc-90950-SH, FAM50A shRNA Plasmid (m): sc-155372-SH, FAM50A shRNA (h) Lentiviral Particles: sc-90950-V and FAM50A shRNA (m) Lentiviral Particles: sc-155372-V.

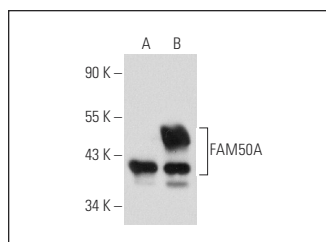
Molecular Weight of FAM50A: 40 kDa.

Positive Controls: FAM50A (h): 293T Lysate: 128589 or HeLa nuclear extract: sc-2120.

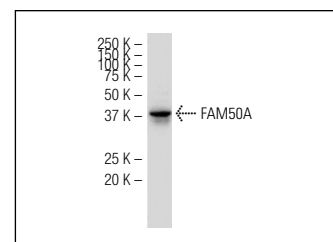
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



FAM50A (XX-8): sc-100967. Western blot analysis of FAM50A expression in non-transfected: sc-117752 (A) and human FAM50A transfected: sc-128589 (B) 293T whole cell lysates.



FAM50A (XX-8): sc-100967. Western blot analysis of FAM50A expression in HeLa nuclear extract.

RESEARCH USE

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

PROTOCOLS

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