

FAM50A (h): 293T Lysate: sc-128589

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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4. Online Mendelian Inheritance in Man, OMIM[™]. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 300453. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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CHROMOSOMAL LOCATION

Genetic locus: FAM50A (human) mapping to Xq28.

PRODUCT

FAM50A (h): 293T Lysate represents a lysate of human FAM50A transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

FAM50A (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive FAM50A antibodies. Recommended use: 10-20 µl per lane.

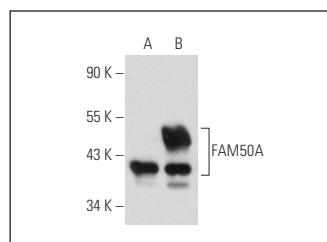
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FAM50A (XX-8): sc-100967 is recommended as a positive control antibody for Western Blot analysis of enhanced human FAM50A expression in FAM50A transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

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.

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.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

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.