

FAM110A (N-16): sc-82136

BACKGROUND

FAM110A (family with sequence similarity 110, member A) is a 295 amino acid protein that localizes to the cytoplasm, the cytoskeleton and the centrosome. Specifically, it co-localizes with microtubules during interphase and at spindle poles in mitosis. Expressed in thyroid, lymph node, trachea, adrenal gland, bone marrow, spleen, thymus, prostate and peripheral blood leukocyte, FAM110A is thought to interact with CSPP and play a role in proper cell cycle progression. FAM110A expression is increased during S phase and G₂/M phase. The gene encoding FAM110A maps to human chromosome 20, which houses over 60 genes and comprises approximately 2% of the human genome. Chromosome 20 contains a region with numerous genes expressed in the epididymis which are thought important for seminal production and some viewed as potential targets for male contraception.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM110A (human) mapping to 20p13; Fam110a (mouse) mapping to 2 G3.

SOURCE

FAM110A (N-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of FAM110A of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-82136 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

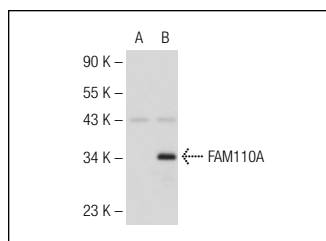
FAM110A (N-16) is recommended for detection of FAM110A of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 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 FAM110A siRNA (h): sc-77297, FAM110A siRNA (m): sc-77298, FAM110A shRNA Plasmid (h): sc-77297-SH, FAM110A shRNA Plasmid (m): sc-77298-SH, FAM110A shRNA (h) Lentiviral Particles: sc-77297-V and FAM110A shRNA (m) Lentiviral Particles: sc-77298-V.

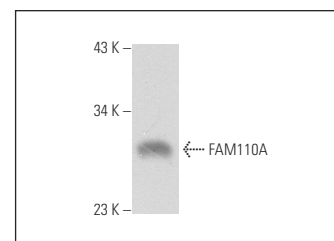
Molecular Weight of FAM110A: 31 kDa.

Positive Controls: FAM110A (m4): 293T Lysate: sc-126828 or NIH/3T3 whole cell lysate: sc-2210.

DATA



FAM110A (N-16): sc-82136. Western blot analysis of FAM110A expression in non-transfected: sc-117752 (A) and mouse FAM110A transfected: sc-126828 (B) 293T whole cell lysates.



FAM110A (N-16): sc-82136. Western blot analysis of FAM110A expression in NIH/3T3 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.

RESEARCH USE

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



Try **FAM110A (B-11): sc-376464** or **FAM110A (B-8): sc-374558**, our highly recommended monoclonal alternatives to FAM110A (N-16).