

# FAM53C (N-16): sc-242750

## BACKGROUND

With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri-du-chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome. The FAM53C gene product has been provisionally designated FAM53C pending further characterization.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: FAM53C (human) mapping to 5q31.2; Fam53c (mouse) mapping to 18 B1.

## SOURCE

FAM53C (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of FAM53C 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-242750 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

FAM53C (N-16) is recommended for detection of FAM53C 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); non cross-reactive with FAM53B.

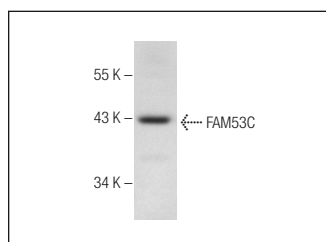
FAM53C (N-16) is also recommended for detection of FAM53C in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for FAM53C siRNA (h): sc-91786, FAM53C siRNA (m): sc-108834, FAM53C shRNA Plasmid (h): sc-91786-SH, FAM53C shRNA Plasmid (m): sc-108834-SH, FAM53C shRNA (h) Lentiviral Particles: sc-91786-V and FAM53C shRNA (m) Lentiviral Particles: sc-108834-V.

Molecular Weight of FAM53C: 43 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

## DATA



FAM53C (N-16): sc-242750. Western blot analysis of FAM53C expression in HeLa nuclear extract.

## 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.

**MONOS**  
Satisfaction  
Guaranteed

Try **FAM53C (F-4): sc-514210**, our highly recommended monoclonal alternative to FAM53C (N-16).