

FAM190A (Q-19): sc-246676

BACKGROUND

FAM190A is a 900 amino acid protein that exists as 2 alternatively spliced isoforms. The gene encoding FAM190A maps to human chromosome 4, which represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. Chromosome 4 reportedly contains the largest gene deserts (regions of the genome with no protein encoding genes) and has one of the two lowest recombination frequencies of the human chromosomes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCSE1 (human) mapping to 4q22.1; Fam190a (mouse) mapping to 6 B3.

SOURCE

FAM190A (Q-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FAM190A 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-246676 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FAM190A (Q-19) is recommended for detection of FAM190A 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).

FAM190A (Q-19) is also recommended for detection of FAM190A in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FAM190A siRNA (h): sc-89145, FAM190A siRNA (m): sc-141832, FAM190A shRNA Plasmid (h): sc-89145-SH, FAM190A shRNA Plasmid (m): sc-141832-SH, FAM190A shRNA (h) Lentiviral Particles: sc-89145-V and FAM190A shRNA (m) Lentiviral Particles: sc-141832-V.

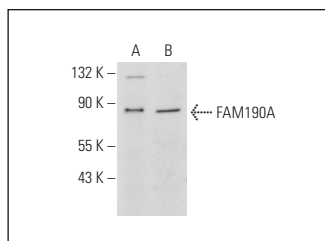
Molecular Weight of FAM190A isoform 1/2: 100/74 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203 or Hep G2 cell lysate: sc-2227.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



FAM190A (Q-19): sc-246676. Western blot analysis of FAM190A expression in K-562 (A) and Hep G2 (B) whole cell lysates.

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.