

FLJ21062 (E-13): sc-164422

BACKGROUND

Chromosome 7 is about 158 million bases long, encodes over 1,000 genes and makes up about 5% of the human genome. Chromosome 7 has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia. The FLJ21062 gene product has been provisionally designated FLJ21062 pending further characterization.

REFERENCES

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5. Osborne, L.R., Joseph-George, A.M. and Scherer, S.W. 2006. Williams-Beuren syndrome diagnosis using fluorescence *in situ* hybridization. *Methods Mol. Med.* 126:113-128.
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CHROMOSOMAL LOCATION

Genetic locus: C7orf63 (human) mapping to 7q21.13; A330021E22Rik (mouse) mapping to 5 A1.

SOURCE

FLJ21062 (E-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FLJ21062 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-164422 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FLJ21062 (E-13) is recommended for detection of FLJ21062 isoforms 1, 2 and 5 of human origin, A330021E22Rik of mouse origin and the corresponding rat homolog by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 isoforms FLJ21062-3 or FLJ21062-4.

FLJ21062 (E-13) is also recommended for detection of FLJ21062 isoforms 1, 2 and 5 in additional species, including equine, canine and porcine.

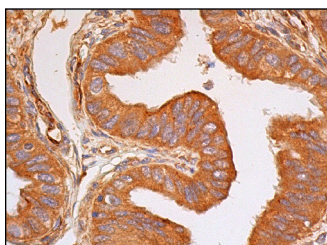
Suitable for use as control antibody for FLJ21062 siRNA (h): sc-89482, A330021E22Rik siRNA (m): sc-140626, FLJ21062 shRNA Plasmid (h): sc-89482-SH, A330021E22Rik shRNA Plasmid (m): sc-140626-SH, FLJ21062 shRNA (h) Lentiviral Particles: sc-89482-V and A330021E22Rik shRNA (m) Lentiviral Particles: sc-140626-V.

Molecular Weight of FLJ21062: 25 kDa.

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. 3) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



FLJ21062 (E-13): sc-164422. Immunoperoxidase staining of formalin fixed, paraffin-embedded human fallopian tube tissue showing cytoplasmic staining of glandular cells.

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.