

E2F-8 (C-15): sc-161538

BACKGROUND

E2F-8 is an 867 amino acid nuclear protein that contains 2 DNA-binding domains and belongs to a large family of transcription factors that includes E2F-1, E2F-2, E2F-3, E2F-4, E2F-5, E2F-6 and E2F-7. Existing as a homodimer or as a heterodimer with E2F-7, E2F-8 functions to bind DNA at the E2 recognition site, 5'-TTTC[CG]CGC-3', thereby inhibiting E2-F-dependent transcription and regulating the expression of genes that are required for cell cycle progression. The gene encoding E2F-8 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: E2F8 (human) mapping to 11p15.1; E2f8 (mouse) mapping to 7 B4.

SOURCE

E2F-8 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of E2F-8 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. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-161538 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-161538 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

E2F-8 (C-15) is recommended for detection of E2F-8 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); non cross-reactive with other E2F family members.

E2F-8 (C-15) is also recommended for detection of E2F-8 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for E2F-8 siRNA (h): sc-96849, E2F-8 siRNA (m): sc-143248, E2F-8 shRNA Plasmid (h): sc-96849-SH, E2F-8 shRNA Plasmid (m): sc-143248-SH, E2F-8 shRNA (h) Lentiviral Particles: sc-96849-V and E2F-8 shRNA (m) Lentiviral Particles: sc-143248-V.

E2F-8 (C-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of E2F-8: 100 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.

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 **E2F-8 (B-9): sc-514064** or **E2F-8 (9): sc-130313**, our highly recommended monoclonal alternatives to E2F-8 (C-15).