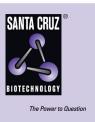
SANTA CRUZ BIOTECHNOLOGY, INC.

E2F-8 (S-14): sc-161540



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.

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CHROMOSOMAL LOCATION

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

SOURCE

E2F-8 (S-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of E2F-8 of human origin.

PRODUCT

Each vial contains 200 μ g lgG 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-161540 X, 200 μ g/0.1 ml.

Blocking peptide available for competition studies, sc-161540 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

E2F-8 (S-14) 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.

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 (S-14) 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) Immunofluo-rescence: use 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

MONOS Satisfation Guaranteed

Try **E2F-8 (B-9):** sc-514064 or **E2F-8 (9):** sc-130313, our highly recommended monoclonal alternatives to E2F-8 (S-14).