

FBP2 (S-18): sc-33032

BACKGROUND

Activation of FUSE, the far-upstream element, is required for the proper expression of the mammalian gene c-Myc in undifferentiated cells. The binding of FBP (FUSE-binding protein or Far upstream element binding protein) to FUSE is necessary for c-Myc expression, indicating that FBP functions as a growth-dependent regulator of c-Myc expression. Isolated from proliferating HL60 cells, FBP, FBP2 and FBP3 comprise a family of single-stranded DNA-binding proteins that specifically bind to FUSE elements. The FBP transcription factors share a conserved central DNA-binding domain and show significant homology in their carboxyl-terminal activation domains. Expression of FBP is detected in undifferentiated cells and is substantially decreased following cellular differentiation.

CHROMOSOMAL LOCATION

Genetic locus: KHSRP (human) mapping to 19p13.3; Khsrp (mouse) mapping to 17 D.

SOURCE

FBP2 (S-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FBP2 of rat 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-33032 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-33032 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

FBP2 (S-18) is recommended for detection of FBP2 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).

FBP2 (S-18) is also recommended for detection of FBP2 in additional species, including equine, canine, porcine and avian.

Suitable for use as control antibody for FBP2 siRNA (h): sc-44831, FBP2 siRNA (m): sc-44832, FBP2 shRNA Plasmid (h): sc-44831-SH, FBP2 shRNA Plasmid (m): sc-44832-SH, FBP2 shRNA (h) Lentiviral Particles: sc-44831-V and FBP2 shRNA (m) Lentiviral Particles: sc-44832-V.

FBP2 (S-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

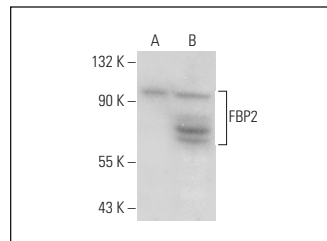
Molecular Weight of FBP2: 74 kDa.

Positive Controls: FBP2 (m): 293T Lysate: sc-178603.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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



FBP2 (S-18): sc-33032. Western blot analysis of FBP2 expression in non-transfected: sc-117752 (A) and mouse FBP2 transfected: sc-178603 (B) 293T whole cell lysates.

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.


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Try **FBP2 (4C10): sc-293476**, our highly recommended monoclonal alternative to FBP2 (S-18).