

## FBP3 (E-15): sc-11104

### 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) 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: FUBP3 (human) mapping to 9q34.11.

### SOURCE

FBP3 (E-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FBP3 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-11104 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-11104 X, 200 µg/0.1 ml.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### APPLICATIONS

FBP3 (E-15) is recommended for detection of FUSE binding protein 3 (FBP3) of 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).

FBP3 (E-15) is also recommended for detection of FUSE binding protein 3 (FBP3) in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for FBP3 siRNA (h): sc-106747, FBP3 shRNA Plasmid (h): sc-106747-SH and FBP3 shRNA (h) Lentiviral Particles: sc-106747-V.

FBP3 (E-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

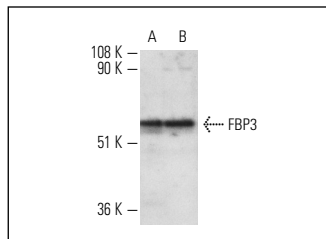
Molecular Weight of FBP3: 64 kDa.

Positive Controls: SK-BR-3 cell lysate: sc-2218, MCF7 whole cell lysate: sc-2206 or U-87 MG cell lysate: sc-2411.

### 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



FBP3 (E-15): sc-11104. Western blot analysis of FBP3 expression in MCF7 (A) and SK-BR-3 (B) whole cell lysates.

### SELECT PRODUCT CITATIONS

- Weber, A., et al. 2008. The FUSE binding proteins FBP1 and FBP3 are potential c-Myc regulators in renal, but not in prostate and bladder cancer. BMC Cancer 8: 369.

### STORAGE

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

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

**MONOS**  
Satisfaction  
Guaranteed

Try **FBP3 (E-8): sc-398466**, our highly recommended monoclonal alternative to FBP3 (E-15).