

EFP (S-16): sc-30890

BACKGROUND

EFP (estrogen-responsive finger protein) is a transcription factor, the content of which is regulated by estrogen. It has been identified as a member of the RING finger family, a family of proteins containing a Zn²⁺ binding domain designated the C3HC4 or RING finger. EFP also contains two B box domains and a coiled-coil region (a transactivation domain), which are characteristic of a subgroup of the RING finger family. Estrogen regulates the growth, differentiation and function of target cells in a variety of tissues; however, few genes have been shown to be directly regulated by estrogen. It has been speculated that EFP may mediate estrogen activity in a signaling cascade in which estrogen-ER binding to the estrogen responsive element (ERE) downstream of the EFP gene upregulates EFP gene expression. The EFP gene product may then activate transcription of secondary estrogen responsive genes. Additional studies indicate that the EFP promoter may be regulated by multiple elements and their interacting factors.

CHROMOSOMAL LOCATION

Genetic locus: TRIM25 (human) mapping to 17q22; Trim25 (mouse) mapping to 11 C.

SOURCE

EFP (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of EFP 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-30890 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-30890 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

EFP (S-16) is recommended for detection of EFP 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).

EFP (S-16) is also recommended for detection of EFP in additional species, including porcine.

Suitable for use as control antibody for EFP siRNA (h): sc-37825, EFP siRNA (m): sc-37826, EFP shRNA Plasmid (h): sc-37825-SH, EFP shRNA Plasmid (m): sc-37826-SH, EFP shRNA (h) Lentiviral Particles: sc-37825-V and EFP shRNA (m) Lentiviral Particles: sc-37826-V.

EFP (S-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

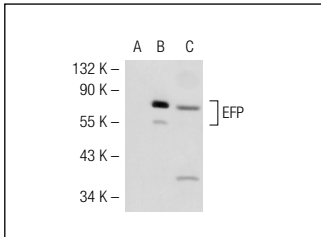
Molecular Weight of EFP: 70 kDa.

Positive Controls: HeLa nuclear extract: sc-2120, EFP (h): 293T Lysate: sc-113410 or HeLa whole cell lysate: sc-2200.

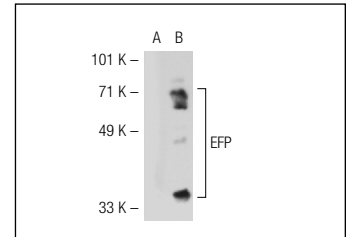
RECOMMENDED SECONDARY REAGENTS

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



EFP (S-16): sc-30890. Western blot analysis of EFP expression in non-transfected 293T: sc-117752 (A), human EFP transfected 293T: sc-115553 (B) and HeLa (C) whole cell lysates.



EFP (S-16): sc-30890. Western blot analysis of EFP expression in non-transfected: sc-117752 (A) and human EFP transfected: sc-113410 (B) 293T whole cell lysates.

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
Satisfaction
Guaranteed

Try **EFP (E-4): sc-166926** or **EFP (D-8): sc-398817**, our highly recommended monoclonal alternatives to EFP (S-16).