

Fli-1 (F-12): sc-365294

BACKGROUND

Ets-1 is the prototype member of a family of genes identified on the basis of homology to the v-Ets oncogene isolated from the E26 erythroblastosis virus. This family of genes currently includes Ets-1, Ets-2, Erg-1, Erg-2, Elk, E74, Fli-1, PU.1 and PEA3. Members of the Ets gene family exhibit varied patterns of tissue expression, and share a highly conserved carboxy terminal domain containing a sequence related to the SV40 large T antigen nuclear localization signal sequence. This conserved domain is essential for Ets-1 binding to DNA and is likely to be responsible for the DNA binding activity of all members of the Ets gene family. Several of these proteins have been shown to recognize similar motifs in DNA that share a centrally located 5'-GGAA-3' element.

CHROMOSOMAL LOCATION

Genetic locus: FLI1 (human) mapping to 11q24.3; Fli1 (mouse) mapping to 9 A4.

SOURCE

Fli-1 (F-12) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 427-452 at the C-terminus of Fli-1 of mouse origin.

PRODUCT

Each vial contains 200 µg IgM kappa light chain 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-365294 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-365294 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

STORAGE

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

APPLICATIONS

Fli-1 (F-12) is recommended for detection of Fli-1 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).

Suitable for use as control antibody for Fli-1 siRNA (h): sc-35384, Fli-1 siRNA (m): sc-35385, Fli-1 shRNA Plasmid (h): sc-35384-SH, Fli-1 shRNA Plasmid (m): sc-35385-SH, Fli-1 shRNA (h) Lentiviral Particles: sc-35384-V and Fli-1 shRNA (m) Lentiviral Particles: sc-35385-V.

Fli-1 (F-12) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

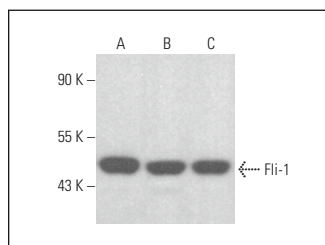
Molecular Weight of Fli-1: 51 kDa.

Positive Controls: HEL 92.1.7 cell lysate: sc-2270, Jurkat whole cell lysate: sc-2204 or BJAB whole cell lysate: sc-2207.

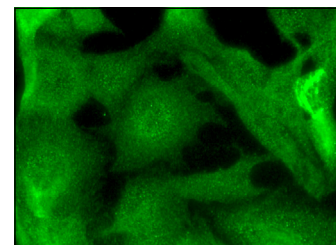
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein L-Agarose: sc-2336 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

DATA



Fli-1 (F-12): sc-365294. Western blot analysis of Fli-1 expression in BJAB (A), HEL 92.1.7 (B) and Jurkat (C) whole cell lysates.



Fli-1 (F-12): sc-365294. Immunofluorescence staining of formalin-fixed Hep G2 cells showing nuclear and cytoplasmic localization.

SELECT PRODUCT CITATIONS

- Heisey, D.A.R., et al. 2019. The Ewing family of tumors rely on Bcl-2 and Bcl-x_L to escape PARP inhibitor toxicity. Clin. Cancer Res. 25: 1664-1675.
- Bao, Y., et al. 2021. FANCD2 knockdown with shRNA interference enhances the ionizing radiation sensitivity of nasopharyngeal carcinoma CNE-2 cells. Neoplasia 68: 40-52.
- Kitagawa, R., et al. 2023. EWSR1 maintains centromere identity. Cell Rep. 42: 112568.
- Liu, S.S., et al. 2023. LncRNA UCA1 participates in *de novo* synthesis of guanine nucleotides in bladder cancer by recruiting TWIST1 to increase IMPDH1/2. Int. J. Biol. Sci. 19: 2599-2612.

RESEARCH USE

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

PROTOCOLS

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