

Fli-1 (H-60): sc-22808

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.

REFERENCES

1. Ghysdael, J., et al. 1986. Identification and preferential expression in thymic and bursal lymphocytes of a c-Ets oncogene-encoded Mr 54,000 cytoplasmic protein. Proc. Natl. Acad. Sci. USA 83: 1714-1718.
2. Rao, V.N., et al. 1987. Erg, a human Ets-related gene on chromosome 21: alternative splicing, polyadenylation, and translation. Science 237: 635-639.
3. Rao, V.N., et al. 1989. Elk, tissue-specific Ets-related genes on chromosomes X and 14 near translocation breakpoints. Science 244: 66-70.
4. Burtis, K.C., et al. 1990. The *Drosophila* 74EF early puff contains E74, a complex ecdysone-inducible gene that encodes two Ets-related proteins. Cell 61: 85-99.
5. Xin, J.H., et al. 1992. Molecular cloning and characterization of PEA3, a new member of the Ets oncogene family that is differentially expressed in mouse embryonic cells. Genes Dev. 6: 481-496.
6. Pongubala, J.M.R., et al. 1993. Effect of PU.1 phosphorylation on interaction with NF-EM5 and transcriptional activation. Science 259: 1622-1625.

CHROMOSOMAL LOCATION

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

SOURCE

Fli-1 (H-60) is a rabbit polyclonal antibody raised against amino acids 196-255 of Fli-1 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-22808 X, 200 µg/0.1 ml.

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 or our catalog for detailed protocols and support products.

APPLICATIONS

Fli-1 (H-60) 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).

Fli-1 (H-60) is also recommended for detection of Fli-1 in additional species, including equine, canine, bovine and porcine.

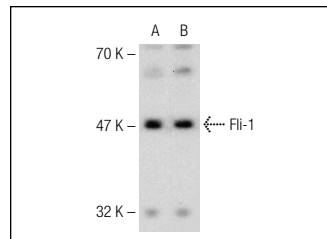
Suitable for use as control antibody for Fli-1 siRNA (h): sc-35384, Fli-1 siRNA (m): sc-35385, Fli-1 shRNA Plasmid (h): sc-35384-SH, Fli-1 shRNA Plasmid (m): sc-35385-SH, Fli-1 shRNA (h) Lentiviral Particles: sc-35384-V and Fli-1 shRNA (m) Lentiviral Particles: sc-35385-V.

Fli-1 (H-60) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Fli-1: 51 kDa.

Positive Controls: BJAB whole cell lysate: sc-2207, MEG-01 cell lysate: sc-2283 or U-937 cell lysate: sc-2239.

DATA



Fli-1 (H-60): sc-22808. Western blot analysis of Fli-1 expression in BJAB (A) and MEG-01 (B) whole cell lysates.

SELECT PRODUCT CITATIONS

1. Pang, L., et al. 2006. Maturation stage-specific regulation of megakaryopoiesis by pointed-domain Ets proteins. Blood 108: 2198-2206.
2. Navarro, D., et al. 2010. The EWS/FLI1 oncogenic protein inhibits expression of the Wnt inhibitor DICKKOPF-1 gene and antagonizes β-catenin/TCF-mediated transcription. Carcinogenesis 31: 394-401.

RESEARCH USE

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



Try **Fli-1 (F-12): sc-365294** or **Fli-1 (23D10): sc-134223**, our highly recommended monoclonal alternatives to Fli-1 (H-60). Also, for AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647 conjugates, see **Fli-1 (F-12): sc-365294**.