

FGF-6 (H-94): sc-7915

BACKGROUND

Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also referred to as basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10. Members of the FGF family share 30-55% amino acid sequence identity, similar gene structure, and are capable of transforming cultured cells when overexpressed in transfected cells. Cellular receptors for FGFs are members of a second multigene family including four tyrosine kinases, designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3.

REFERENCES

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2. Delli Bovi, P., et al. 1987. An oncogene isolated by transfection of Kaposi's sarcoma DNA encodes a growth factor that is a member of the FGF family. *Cell* 50: 729-737.
3. Zhan, X., et al. 1988. The human FGF-5 oncogene encodes a novel protein related to fibroblast growth factors. *Mol. Cell. Biol.* 8: 3487-3495.
4. Rifkin, D.B., et al. 1989. Recent developments in the cell biology of fibroblast growth factor. *J. Cell Biol.* 109: 1-6.
5. Marics, I., et al. 1989. Characterization of the HST-related FGF.6 gene, a new member of the fibroblast growth factor gene family. *Oncogene* 4: 335-340.
6. Dionne, C.A., et al. 1990. Cloning and expression of two distinct high-affinity receptors cross-reacting with acidic and basic fibroblast growth factors. *EMBO J.* 9: 2685-2692.
7. Tanaka, A., et al. 1992. Cloning and characterization of an androgen-induced growth factor essential for the androgen-dependent growth of mouse mammary carcinoma cells. *Proc. Natl. Acad. Sci. USA* 89: 8928-8932.
8. Miyamoto, M., et al. 1993. Molecular cloning of a novel cytokine cDNA encoding the ninth member of the fibroblast growth factor family, which has a unique secretion property. *Mol. Cell. Biol.* 13: 4251-4259.

CHROMOSOMAL LOCATION

Genetic locus: FGF6 (human) mapping to 12p13.32; Fgf6 (mouse) mapping to 6 F3.

SOURCE

FGF-6 (H-94) is a rabbit polyclonal antibody raised against amino acids 107-200 of FGF-6 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.

APPLICATIONS

FGF-6 (H-94) is recommended for detection of precursor and mature FGF-6 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).

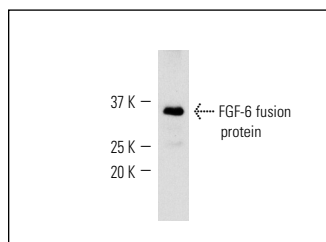
FGF-6 (H-94) is also recommended for detection of precursor and mature FGF-6 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FGF-6 siRNA (h): sc-39454, FGF-6 siRNA (m): sc-39455, FGF-6 shRNA Plasmid (h): sc-39454-SH, FGF-6 shRNA Plasmid (m): sc-39455-SH, FGF-6 shRNA (h) Lentiviral Particles: sc-39454-V and FGF-6 shRNA (m) Lentiviral Particles: sc-39455-V.

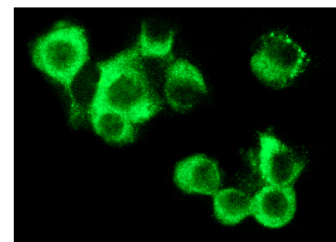
Molecular Weight of FGF-6: 18 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210 or U-937 cell lysate: sc-2239.

DATA



FGF-6 (H-94): sc-7915. Western blot analysis of human recombinant FGF-6 fusion protein.



FGF-6 (H-94): sc-7915. Immunofluorescence staining of methanol-fixed NIH/3T3 cells showing cytoplasmic staining.

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 **FGF-6 (B-12): sc-374518**, our highly recommended monoclonal alternative to FGF-6 (H-94).