

## FGF-7 (S-20): sc-27126

### 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 (Int-2) 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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- Zhan, X., Bates, B., Hu, X. and Goldfarb, M. 1988. The human FGF-5 oncogene encodes a novel protein related to fibroblast growth factors. *Mol. Cell. Biol.* 8: 3487-3495.
- Rifkin, D.B. and Moscatelli, D. 1989. Recent developments in the cell biology of fibroblast growth factor. *J. Cell Biol.* 109: 1-6.
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### CHROMOSOMAL LOCATION

Genetic locus: FGF7 (human) mapping to 15q21.2; Fgf7 (mouse) mapping to 2 F1.

### SOURCE

FGF-7 (S-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of FGF-7 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-27126 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### STORAGE

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

### APPLICATIONS

FGF-7 (S-20) is recommended for detection of precursor and mature FGF-7 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-7 (S-20) is also recommended for detection of precursor and mature FGF-7 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for FGF-7 siRNA (h): sc-39456, FGF-7 siRNA (m): sc-39457, FGF-7 shRNA Plasmid (h): sc-39456-SH, FGF-7 shRNA Plasmid (m): sc-39457-SH, FGF-7 shRNA (h) Lentiviral Particles: sc-39456-V and FGF-7 shRNA (m) Lentiviral Particles: sc-39457-V.

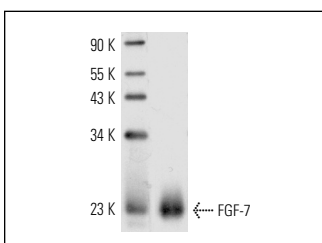
Molecular Weight of FGF-7: 28 kDa.

Positive Controls: mouse ovary extract: sc-2404.

### 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



FGF-7 (S-20): sc-27126. Western blot analysis of human recombinant FGF-7.

### RESEARCH USE

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

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Try **FGF-7 (A-9): sc-515014** or **FGF-7 (F-9): sc-365440**, our highly recommended monoclonal alternatives to FGF-7 (S-20).