

FGF-11 (V-15): sc-27172

BACKGROUND

Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated 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–FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and 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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CHROMOSOMAL LOCATION

Genetic locus: FGF11 (human) mapping to 17p13.1; Fgf11 (mouse) mapping to 11 B3.

RESEARCH USE

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

SOURCE

FGF-11 (V-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FGF-11 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-27172 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FGF-11 (V-15) is recommended for detection of precursor and mature FGF-11 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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-11 (V-15) is also recommended for detection of precursor and mature FGF-11 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FGF-11 siRNA (h): sc-39464, FGF-11 siRNA (m): sc-39465, FGF-11 shRNA Plasmid (h): sc-39464-SH, FGF-11 shRNA Plasmid (m): sc-39465-SH, FGF-11 shRNA (h) Lentiviral Particles: sc-39464-V and FGF-11 shRNA (m) Lentiviral Particles: sc-39465-V.

Molecular Weight of FGF-11: 34 kDa.

Positive Controls: Mouse brain extract: sc-2253

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) 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.

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.