**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 (Int/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**


**CHROMOSOMAL LOCATION**

Genetic locus: FGF2 (human) mapping to 4q27; Fgf2 (mouse) mapping to 3 B.

**SOURCE**

FGF-2 (G-2) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 35-67 within an internal region of FGF-2 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG, kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

FGF-2 (G-2) is available conjugated to agarose (sc-365106 AC), 500 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

FGF-2 (G-2) is also recommended for detection of precursor and mature FGF-2 in additional species, including equine, bovine and porcine.

**APPLICATIONS**

FGF-2 (G-2) is recommended for detection of precursor and mature FGF-2 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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-2 (G-2) is also recommended for detection of precursor and mature FGF-2 in additional species, including equine, bovine and porcine.

**SELECT PRODUCT CITATIONS**


**STORAGE**

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

**DATA**

**RESEARCH USE**

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