

Product datasheet for **AM06116SU-N**

FGF2 Mouse Monoclonal Antibody [Clone ID: 2H5G2C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2H5G2C11
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on frozen sections: 1/200 - 1/1000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of FGF2 expressed in E. Coli.
Specificity:	This antibody reacts to FGF2.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fibroblast growth factor 2
Database Link:	Entrez Gene 2247 Human P09038



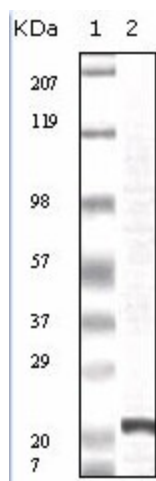
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Background:

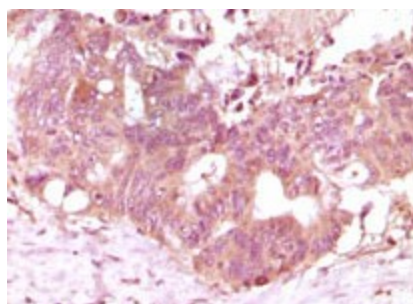
FGF2 is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. FGF2 is a single-chain polypeptide growth factor that plays a significant role in the process of wound healing and is a potent inducer of angiogenesis. Due to its basic pH, the factor is named FGF-2 (basic FGF, bFGF). Several different forms of the human protein exist ranging from 18-24 kDa in size due to the use of alternative start sites within the fgf-2 gene. It has a 55 percent amino acid residue identity to FIBROBLAST GROWTH FACTOR 1 and has potent heparin-binding activity. The growth factor is an extremely potent inducer of DNA synthesis in a variety of cell types from mesoderm and neuroectoderm lineages. It was originally named basic fibroblast growth factor based upon its chemical properties and to distinguish it from acidic fibroblast growth factor (FIBROBLAST GROWTH FACTOR 1).

Synonyms:

FGFB, Heparin-binding growth factor 2, Fibroblast growth factor 2 (basic), bFGF, HBGF-2, HBGF2

Product images:


Western blot analysis using FGF2 mouse mAb against truncated FGF2 recombinant protein.



Immunohistochemical analysis of paraffin-embedded human rectum adenocarcinoma tissue showing cytoplasmic localization using FGF2 mouse mAb with DAB staining.