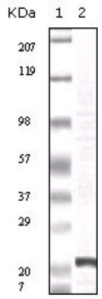
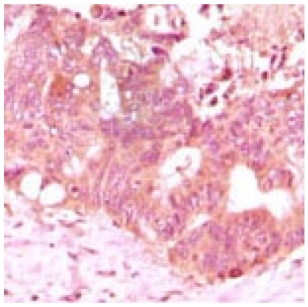
Fibroblast Growth Factor 2 (FGF2) Antibody

Catalogue No.:abx010777



Western blot analysis of recombinant truncated FGF2 Protein using FGF2 Antibody.



Immunohistochemistry analysis of paraffin-embedded Human recturn adenocarcinoma tissue showing cytoplasmic localization using FGF2 Antibody with DAB staining.

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 anguogenesis. Due to its basic pH, the factor is also 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 FGF1 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 (FGF1).

Target:	Fibroblast Growth Factor 2 (FGF2)
Clonality:	Monoclonal
Clone:	G152
Reactivity:	Human
Tested Applications:	ELISA, IHC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated

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Immunogen:	Purified recombinant fragment of FGF2 expressed in E. coli
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P09038 (UniProt, ExPASy)
Gene Symbol:	FGF2
GeneID:	2247
OMIM:	134920
NCBI Accession:	NP_001997.5, NM_002006.4
HGNC:	3676
KEGG:	hsa:2247
Ensembl:	ENSG00000138685
String:	9606.ENSP00000264498
Molecular Weight:	31 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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