G-Biosciences Image not found or type unknown

Immunotag™ FGF-1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT1695
Product Description	Immunotag™ FGF-1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	FGF-1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from the Internal region of human FGF-1
Specificity	FGF-1 Polyclonal Antibody detects endogenous levels of FGF-1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	FGF1
Accession No.	P05230 P61148 P61149
Alternate Names	FGF1; FGFA; Fibroblast growth factor 1; FGF-1; Acidic fibroblast growth factor; aFGF; Endothelial cell growth factor; ECGF; Heparin-binding growth factor 1; HBGF-1

Antibody Specification

Description	fibroblast growth factor 1(FGF1) Homo sapiens The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009],
Cell Pathway/ Category	MAPK_ERK_Growth,MAPK_G_Protein,Regulates Actin and Cytoskeleton,Pathways in cancer,Melanoma,
Protein Expression	Brain stem,Glioma,Liver,
Subcellular Localization	extracellular region,proteinaceous extracellular matrix,extracellular space,nucleoplasm,nucleolus,cytosol,cell cortex,
Protein Function	function:The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.,miscellaneous:This protein binds heparin, although less strongly than does bFGF.,similarity:Belongs to the heparin-binding growth factors family.,subunit:Monomer. Binds FGFR2. Forms a ternary complex containing 2 molecules each of FGFR2 and FGF1 for 1 heparin molecule. Found in a complex with FGFBP1, FGF1 and FGF2. Interacts with FGFBP1.,
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