G-Biosciences Image not found or type unknown

Immunotag™ FGFR-4 Monoclonal Antibody

Antibody Specification

Catalog No.	ITM0266
Product Description	Immunotag™ FGFR-4 Monoclonal 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	FGFR-4
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of FGFR-4 expressed in E. Coli.
Specificity	FGFR-4 Monoclonal Antibody detects endogenous levels of FGFR-4 protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	FGFR4
Accession No.	P22455 Q03142
Alternate Names	FGFR4; JTK2; TKF; Fibroblast growth factor receptor 4; FGFR-4; CD antigen CD334

Antibody Specification

Description	fibroblast growth factor receptor 4(FGFR4) Homo sapiens The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgII
Cell Pathway/ Category	MAPK_ERK_Growth,MAPK_G_Protein,Endocytosis,Regulates Actin and Cytoskeleton,
Protein Expression	Blood,Intestine,Mammary gland,Muscle,Pituitary tumor,Spleen,
Subcellular Localization	extracellular region,nucleoplasm,cytoplasm,endosome,endoplasmic reticulum,Golgi apparatus,plasma membrane,integral component of plasma membrane,cell-cell junction,integral component of membrane,transport vesicle,
Protein Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for acidic fibroblast growth factor. Does not bind to basic fibroblast growth factor. Binds FGF19.,PTM:Glycosylated (By similarity). Phosphorylated on tyrosine residue (By similarity). Phosphorylation requires the presence of a functional (phosphorylated) FGFR1 and not necessarily by means of FGFR heterodimerization.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Fibroblast growth factor receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Isoform 2 may be secreted.,subunit:Interacts with KLB.,tissue specificity:Expressed in gastrointestinal epithelial cells, pancreas, and gastric and pancreatic cancer cell lines.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.