G-Biosciences Image not found or type unknown

Immunotag™ Phospho-FGFR1 (Tyr766) Antibody

Antibody Specification

Catalog No.	ITA0928
Product Description	Immunotag™ Phospho-FGFR1 (Tyr766) Antibody
Size	100 µg, 200 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	Phospho-FGFR1 (Tyr766)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human FGFR1 around the phosphorylation site of Tyrosine 766
Specificity	Phospho-FGFR1 (Tyr766) Antibody detects endogenous levels of FGFR1 only when phosphorylated at Tyrosine 766
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	FGFR1
Accession No.	P11362

Antibody Specification

Alternate Names	Basic fibroblast growth factor receptor 1; bFGF-R-1; BFGFR; CD331; CEK; FGFBR; FGFR 1; FGFR-1; FGFR1; FGFR1/PLAG1 fusion; FGFR1_HUMAN; fibroblast growth factor receptor 1; FLG; FLT-2; FLT2; Fms-like gene; Fms-like tyrosine kinase 2; fms-related tyrosine kinase 2; HBGFR; heparin-binding growth factor receptor; HH2; HRTFDS; hydroxyaryl-protein kinase; KAL2; N-SAM; OGD; Proto-oncogene c-Fgr;
Description	Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of embryonic development, cell proliferation, differentiation and migration. Required for normal mesoderm patterning and correct axial organization during embryonic development, normal skeletogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system. Phosphorylates PLCG1, FRS2, GAB1 and SHB. Ligand binding leads to the activation of several signaling cascades. Activation of PLCG1 leads to the production of the cellular signaling molecules diacylglycerol and inositol 1,4,5-trisphosphate. Phosphorylation of FRS2 triggers recruitment of GRB2, GAB1, PIK3R1 and SOS1, and mediates activation of RAS, MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling pathway, as well as of the AKT1 signaling pathway. Promotes phosphorylation of SHC1, STAT1 and PTPN11/SHP2. In the nucleus, enhances RPS6KA1 and CREB1 activity and contributes to the regulation of transcription. FGFR1 signaling is down-regulated by IL17RD/SEF, and by FGFR1 ubiquitination, internalization and degradation.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	140kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.