



Phospho-FGFR1 (Tyr766) Antibody

Product Code	CSB-PA138978
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P11362
Immunogen	Peptide sequence around phosphorylation site of tyrosine 766 (Q-E-Y(p)-L-D) derived from FGFR1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of FGFR1 only when phosphorylated at tyrosine 766.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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. Cross MJ, et al. (2002) Mol Biol Cell 13, 2881-93. Foehr ED, Raffioni S, Murray-Rust J, Bradshaw RA (2001) J Biol Chem 276, 37529-36. Cross MJ, et al. (2000) J Cell Sci 113 (Pt 4), 643-51 .
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography
Clonality	Polyclonal
Alias	FGFBR; FGFR-1; FLG; FLT2; c-fgr

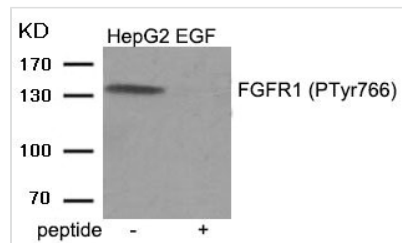


Product Type Polyclonal Antibody

Species Homo sapiens (Human)

Target Names FGFR1

Image



Product Modify Phospho-Tyr766