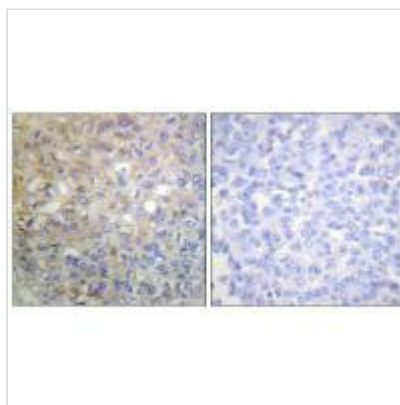


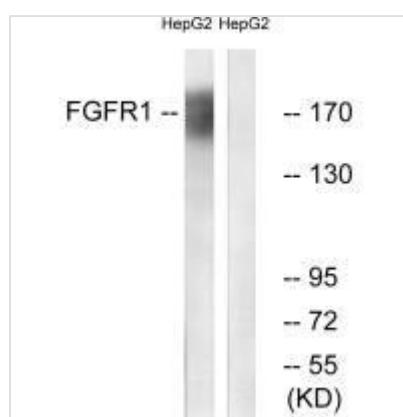


FGFR1 (Ab-766) Antibody

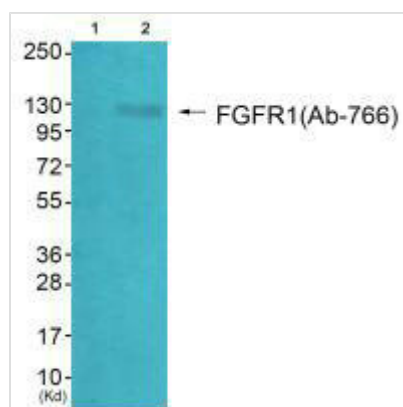
Product Code	CSB-PA273913
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P11362
Immunogen	Synthesized non-phosphopeptide derived from Human FGFR1 around the phosphorylation site of tyrosine 766 (Q-E-Y(p)-L-D).
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total FGFR1 protein.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:3000,IHC:1:50-1:100
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. Isacchi A., Nucleic Acids Res. 18:1906-1906(1990). Popovici C., Blood 93:1381-1389(1999). Liu T., J. Proteome Res. 4:2070-2080(2005).
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	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	EC 2.7.10.1; FGFBR; FGFR-1; FGR1; FLG
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	FGFR1
Image	



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using FGFR1 (Ab-766) antibody.



Western blot analysis of extracts from HepG2 cells, using FGFR1 (Ab-766) antibody.



Western blot analysis of extracts from HepG2 cells (Lane 2), using FGFR1 (Ab-766) antibody. The lane on the left is treated with synthesized peptide.