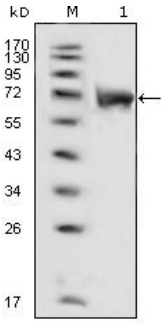
FGFR1

Mouse monoclonal Antibody

#23186

Catalog Number: 23186
Amount: 100μg/100μl
Swiss-Prot No. :P11362
Alternative Names:EC 2.7.10.1, FGFBR, FGFR-1, FGR1, FLG, FLT2, Fms-like tyrosine kinase-2, MFR, bFGF-R, c-fgr, kinase FGFR1
Form of Antibody: Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant fragment of human FGFR1 expressed in E. Coli
Purification: affinity-chromatography
Specificity/Sensitivity:FGFR1 Antibody detects endogenous levels of total FGFR1 protein.
Reactivity: Human
Applications:
Predicted MW: 92 kd WB: 1:500~1:2000



Western blot analysis using FGFR1 mouse mAb against extracellular domain of human FGFR1 (aa22-376).

Background : 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 consists 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. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene can lead to Pfeiffer syndrome and Jackson-Weiss syndrome. The genomic organization of this gene is very similar to family members 2-4, encompassing 19 exons that are subject to complex alternative splicing, which allows for structural, tissue expression and ligand affinity variations among the isoforms.