



FGFR1 (Y653) (Basic Fibroblast Growth Factor Receptor 1, FGFR-1, bFGF-R, Proto-oncogene c-Fgr, Fms-like Tyrosine Kinase 2, FLT-2, CD331, FGFR, FLG, FLT2) (FITC)

Catalog number

F4305-08J-FITC

Supplier

United States Biological

FGFR1 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.

Applications

Suitable for use in FLISA and Western Blot. Other applications not tested.

Recommended Dilution

FLISA: 1:1,000

Western Blot: 1:50-1:100

Optimal dilutions to be determined by the researcher.

Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Note

Applications are based on unconjugated antibody.

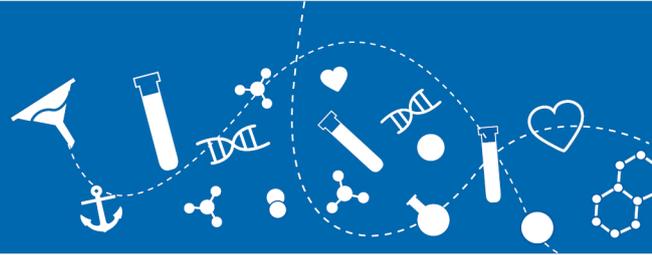
Immunogen

Synthetic peptide corresponding to amino acid residues surrounding Y653 of human FGFR1 (KLH).

Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).

Purity



Purified by immunoaffinity chromatography.

Specificity

Recognizes human FGFR1.

Product Type

Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

FL WB

Crossreactivity

Hu

Storage

-20°C

MW

91.867

Detection Method

FITC

Reference

1.Jiao, J., et al., Arch. Biochem. Biophys. 410(2):187-200 (2003). 2.Fu, L., et al., J. Comp. Neurol. 462(2):265-273 (2003). 3.Lundin, L., et al., Exp. Cell Res. 287(1):190-198 (2003). 4.Kiselyov, V.V., et al., Structure (Camb.) 11(6):691-701 (2003). 5.Baumann, H., et al., J. Biol. Chem. 278(18):16198-16208 (2003).