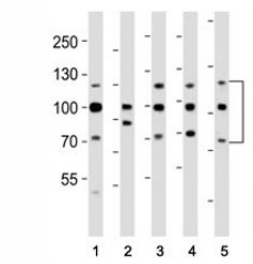
FGFR Antibody (F52888)

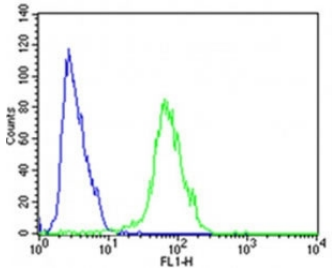
Catalog No.	Formulation	Size
F52888-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52888-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Chicken, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P11362
Applications	Flow Cytometry: 1:25 Western blot: 1:1000
Limitations	This FGFR antibody is available for research use only.



Western blot analysis of lysate from (1) HeLa, (2) HepG2, (3) MCF-7, (4) SH-SY5Y, (5) mouse NIH3T3 cell line using FGFR antibody at 1:1000. Predicted molecular weight: 75-160 kDa depending on glycosylation level.



Flow cytometric analysis of SH-SY5Y cells using FGFR antibody (green) compared to an isotype control of rabbit IgG (blue); Ab was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG was used as the secondary Ab.

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.

Application Notes

Titration of the FGFR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This FGFR antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 291-324 amino acids from the central region of human FGFR1.

Storage

Aliquot the FGFR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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