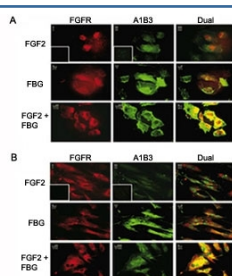


## FGFR1 Antibody (F50611)

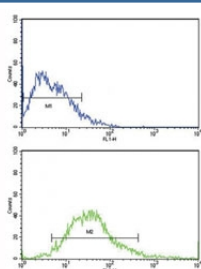
Catalog No.	Formulation	Size
F50611-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50611-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

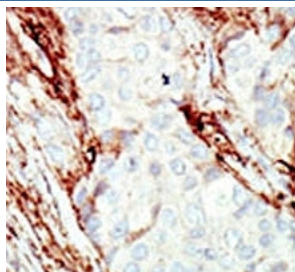
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	P11362
<b>Applications</b>	Flow Cytometry : 1:10-1:50 Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Immunofluorescence : 1:50-1:100
<b>Limitations</b>	This FGFR1 antibody is available for research use only.



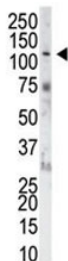
Colocalization of A1B3 and FGFR1 using IF. Treated, confluent ECs (A) or HFFs (B) were stained using 7E3 and FGFR1 antibody. FGFR = red fluorescence (i,iv,vii), A1B3 = green fluorescence (ii,v,viii), and colocalization of FGF2 and fibrinogen receptor = yellow fluorescence (iii,vi,ix).



Flow cytometric analysis of MCF-7 cells using FGFR1 antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IHC analysis of FFPE human breast carcinoma tissue stained with the FGFR1 antibody



The FGFR1 antibody used in western blot to detect FGFR1 in NIH3T3 cell lysate.  
Predicted molecular weight: 75-160 kDa depending on glycosylation level.

## Description

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 the 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.

## Application Notes

Titration of the FGFR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 19-48 from the human protein was used as the immunogen for this FGFR1 antibody.

## Storage

Aliquot the FGFR1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.