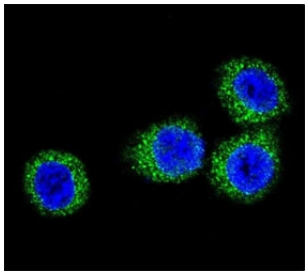
FGFR2 Antibody (F50618)

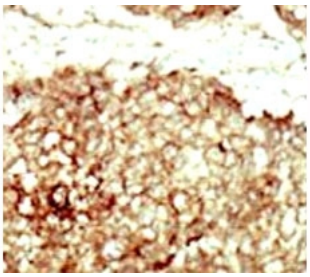
Catalog No.	Formulation	Size
F50618-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50618-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

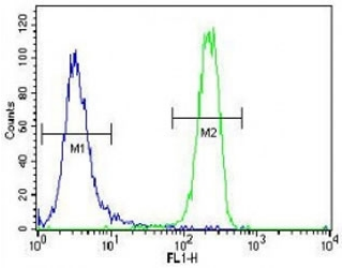
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P21802
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This FGFR2 antibody is available for research use only.



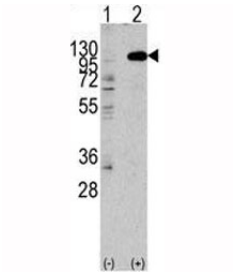
Confocal immunofluorescent analysis of FGFR2 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



IHC analysis of FFPE human hepatocarcinoma tissue stained with the FGFR2 antibody



FGFR2 antibody flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot analysis of FGFR2 antibody and 293 lysate transiently transfected with the human gene. Predicted molecular weight: 80-120 kDa. The observed size may be larger due to glycosylation.

Description

Fibroblast growth factor receptor 2 is a tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation, migration and apoptosis, and in the regulation of embryonic development. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Alternative splicing in multiple exons, including those encoding the Ig-like domains, the transmembrane region and the carboxyl terminus, results in varied isoforms which differ in structure and specificity. Isoform 1 has equal affinity for aFGF and bFGF but does not bind KGF.

Application Notes

Titration of the FGFR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 794-821 from the human protein was used as the immunogen for this FGFR2 antibody.

Storage

Aliquot the FGFR2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.