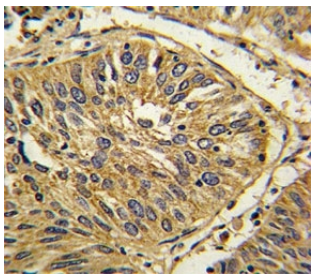
FGFR2 Antibody (F50620)

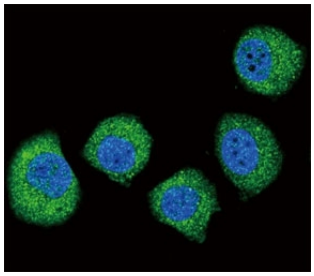
Catalog No.	Formulation	Size
F50620-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50620-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

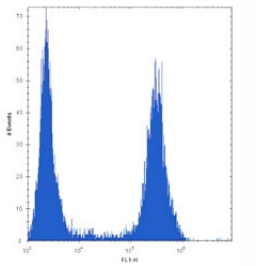
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P21802
Applications	IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This FGFR2 antibody is available for research use only.



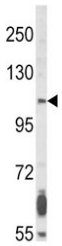
IHC analysis of FFPE human lung carcinoma with FGFR2 antibody



Confocal immunofluorescent analysis of FGFR2 antibody with U251 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



FGFR2 antibody flow cytometric analysis of U251 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot testing of human NCI-H460 cell lysate with FGFR2 antibody. Predicted molecular weight of multiple isoforms: 80-120 kDa. The observed size may be larger due to glycosylation.

Description

FGFR2 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 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in FGFR2 gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis.

Application Notes

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

Immunogen

This FGFR2 antibody was produced from rabbits immunized with a his tag recombinant protein of human FGF Receptor 2.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com