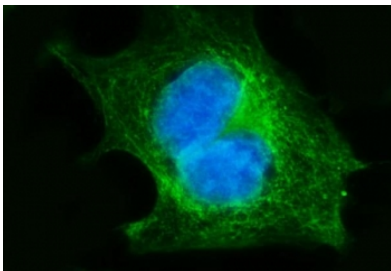


## Fibroblast Growth Factor Receptor 3 Antibody / FGFR3 (RQ6767)

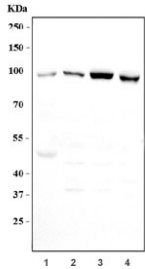
Catalog No.	Formulation	Size
RQ6767	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

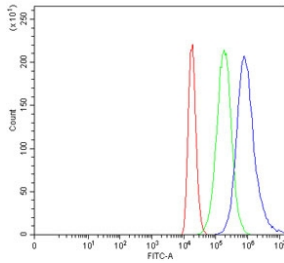
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P22607
<b>Localization</b>	Cytoplasmic, secreted
<b>Applications</b>	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This Fibroblast Growth Factor Receptor 3 antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with Fibroblast Growth Factor Receptor 3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) A549, 2) HeLa, 3) HepG2 and 4) HEK293 cell lysate with Fibroblast Growth Factor Receptor 3 antibody. Predicted molecular weight: 87-135 kDa depending on glycosylation level.



Flow cytometry testing of human 293T cells with Fibroblast Growth Factor Receptor 3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fibroblast Growth Factor Receptor 3 antibody.

## Description

Fibroblast growth factor receptor 3, also known as CD333, is a protein that in humans is encoded by the *FGFR3* gene. This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. The *FGFR3* gene is mapped to the HD region on chromosome 4p16.3. 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 acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia.

## Application Notes

Optimal dilution of the Fibroblast Growth Factor Receptor 3 antibody should be determined by the researcher.

## Immunogen

Amino acids EGPTLANVSELELPADPKWELSRARLTGK from the human protein were used as the immunogen for the Fibroblast Growth Factor Receptor 3 antibody.

## Storage

After reconstitution, the Fibroblast Growth Factor Receptor 3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.