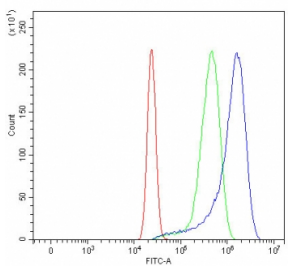
Fibroblast growth factor receptor 2 Antibody / FGFR2 (RQ7691)

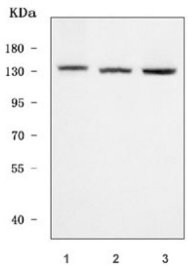
Catalog No.	Formulation	Size
RQ7691	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P21802
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Fibroblast growth factor receptor 2 antibody is available for research use only.



Flow cytometry testing of human U-2 OS cells with Fibroblast growth factor receptor 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fibroblast growth factor receptor 2 antibody.



Western blot testing of human 1) MCF7, 2) HeLa and 3) K562 cell lysate with Fibroblast growth factor receptor 2 antibody. Predicted molecular weight: 80-120 kDa. The observed size may be larger due to glycosylation.

Description

Fibroblast growth factor receptor 2 (FGFR2) is a receptor for fibroblast growth factor encoded on a gene residing on chromosome 10. FGFR2 has also been designated as CD332. FGFR2 is a membrane-spanning tyrosine kinase that serves as a high affinity receptor for several members of the fibroblast growth factor(FGF) family. Its signals are absolutely required for vertebrate limb induction and that an FGFR2 signal is essential for the reciprocal regulation loop between FGF8 and FGF10 during limb induction. FGFR2 contributes to the outgrowth, differentiation, and maintenance of the inner cell mass and raise the possibility that this activity is mediated by FGF4 signals transmitted by FGFR2. The role of early FGF signaling in pregastrulation development as a possible adaptation to mammalian(amniote) embryogenesis is discussed.

Application Notes

Optimal dilution of the Fibroblast growth factor receptor 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R22-T821) was used as the immunogen for the Fibroblast growth factor receptor 2 antibody.

Storage

After reconstitution, the Fibroblast growth factor receptor 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.