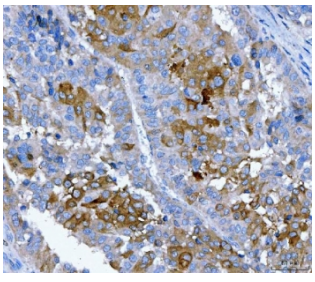
FGFR2 Antibody / Fibroblast growth factor receptor 2 (RQ7172)

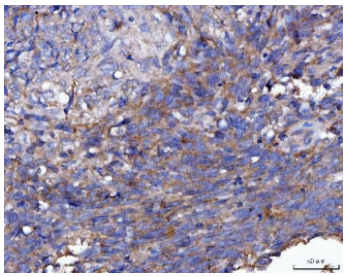
Catalog No.	Formulation	Size
RQ7172	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

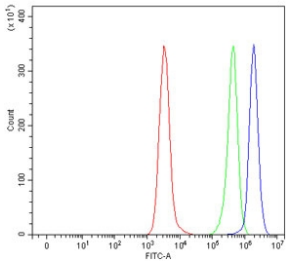
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P21802
Localization	Cytoplasm, cell membrane, secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This FGFR2 antibody is available for research use only.



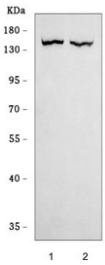
IHC staining of FFPE human liver cancer tissue with FGFR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer tissue with FGFR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of human Daudi cells with FGFR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= FGFR2 antibody.



Western blot testing of human 1) MCF-7 and 2) HeLa cell lysate with FGFR2 antibody. Predicted molecular weight of multiple isoforms: 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 FGFR2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R22-E368) was used as the immunogen for the FGFR2 antibody.

Storage

After reconstitution, the FGFR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.