



Polyclonal Anti- Fibroblast growth factor receptor 2, **FGFR2**

Catalogue No. PA1241

Lot No. 09F01

Ig type rabbit IgG

Size 100µg/vial

Specificity

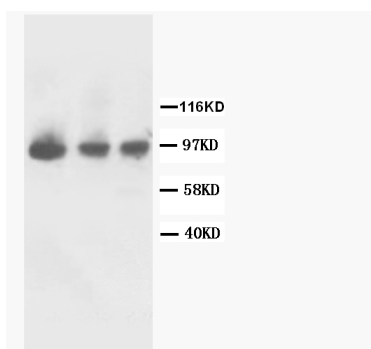
Human, rat, mouse.

No cross reactivity with other proteins.

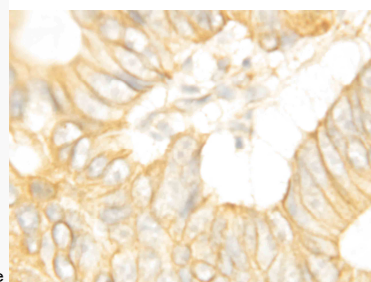
Recommended application

Western blot

Immunohistochemistry(P)



Lane 1 : Rat Kidney tissue Lysate
Lane 2 : Rat liver tissue Lysate
Lane 3 : Human placenta tissue Lysate



Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human FGFR2, identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	2µg/ml	Hu, Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

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.¹ 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.²

REFERENCE

1. Xu, X.; Weinstein, M.; Li, C.; Naski, M.; Cohen, R. I.; Ornitz, D. M.; Leder, P.; Deng, C. : Fibroblast growth factor receptor 2 (FGFR2)-mediated reciprocal regulation loop between FGF8 and FGF10 is essential for limb induction. *Development* 125: 753-765, 1998.
2. Arman, E.; Haffner-Krausz, R.; Chen, Y.; Heath, J. K.; Lonai, P. : Targeted disruption of fibroblast growth factor (FGF) receptor 2 suggests a role for FGF signaling in pregastrulation mammalian development. *Proc. Nat. Acad. Sci.* 95: 5082-5087, 1998.