



Product Information Sheet

Polyclonal Anti- Fibroblast growth factor receptor 2, **FGFR2** (Magnetic Bead Conjugate)

Catalogue No. PA1241-M	Immunogen
Lot No. 09F01	A synthetic peptide corresponding to a sequence at the C-terminal of human FGFR2, identical to the related rat and mouse sequence.
Ig type: rabbit IgG1	Purification
Size: 100µg/Vial	Immunogen affinity purified
Specificity	Contents
Human, rat, mouse.	Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ .
No cross reactivity with other proteins.	Storage
	Store at 4°C for frequent use.
Recommended application	Description:
<i>Immunoprecipitation(IP)</i>	This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

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.

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