

**MABN80602 FGFR4 Mouse Monoclonal Antibody**

Size:	100 ug
Concentration:	1mg/ml
Clone:	IS-25
Source:	Mouse
Isotype:	IgG1
Purification:	Affinity purification
Cross-Reactivity:	Human
Synonyms:	TKF; JTK2; CD334; MGC20292

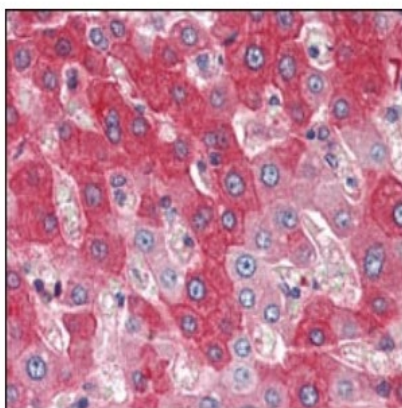
Background: FGFR4 (fibroblast growth factor receptor 4) is part of a family of fibroblast growth factor receptors that mediate the biological functions of specific growth factors. There are four members of the FGF receptor family: FGFR-1 (flg), FGFR-2 (bek, KGFR), FGFR-3 and FGFR-4. Each receptor contains an extracellular ligand binding domain, a transmembrane domain and a cytoplasmic kinase domain. Following ligand binding and dimerization, the receptors are phosphorylated at specific tyrosine residues. These receptor proteins play a role in important processes such as cell division, regulating cell growth and maturation, formation of blood vessels, wound healing, and embryo development. Although specific functions of FGFR4 remain unclear, studies indicate that the gene is involved in muscle development and the maturation of bone cells in the skull. FGFR4 may also play a role in the development and maintenance of specialized cells (called foveal cones) in the light-sensitive layer (the retina) at the back of the eye.

Molecular Weight: 88kDa

Applications: **Immunohistochemistry:** 1:200 - 1:1000

Buffer: PBS containing 0.03% sodium azide.

Storage: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



Immunohistochemical analysis of paraffin-embedded human liver tissues using FGFR4 mAb

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Antibody retrieval protocol for Immunohistochemistry (paraffin-embedded tissues):

Antigen retrieval solution: EDTA, pH 9.0;

2 optional retrieval methods:

- ① Heat retrieval for 20-30 minutes;
- ② High-pressure retrieval, 2-3 minutes after steam generation.