

## Product datasheet for **AM06181SU-N**

### **FGFR4 Mouse Monoclonal Antibody [Clone ID: 4H2B10B2]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	4H2B10B2
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of FGFR4 expressed in E. Coli.
Specificity:	Recognizes CD334 / FGFR4
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	88 kDa
Gene Name:	fibroblast growth factor receptor 4
Database Link:	<a href="#">Entrez Gene 2264 Human P22455</a>



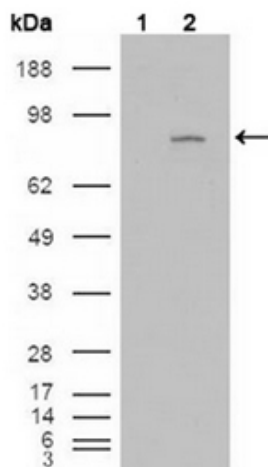
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**Background:**

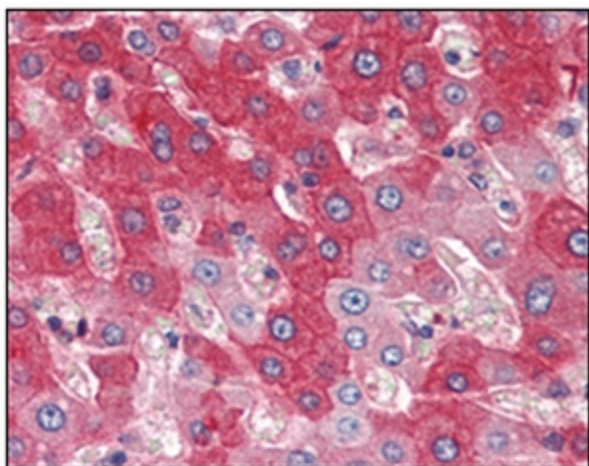
FGFR4 (fibroblast growth factor receptor 4) is part of a family of fibroblast growth factor receptors that mediate the biological functions of specific growth factors. There are four members of the FGF receptor family: FGFR-1 (flg), FGFR-2 (bek, KGFR), FGFR-3 and FGFR-4. Each receptor contains an extracellular 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.

**Synonyms:**

FGFR-4, JTK2, TKF

**Product images:**

Western blot analysis using FGFR4 antibody Cat.-No AM06181SU-N against HEK293T cells transfected with the pCMV6-ENTRY control (Lane 1) and pCMV6-ENTRY FGFR4 cDNA (Lane 2).



Immunohistochemical analysis of paraffin-embedded human liver tissues using FGFR4 antibody Cat.-No AM06181SU-N