

Product datasheet for **AM20516PU-N**

FGFR4 Mouse Monoclonal Antibody [Clone ID: 4H2B10B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4H2B10B2
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: 1/200. Western Blot: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Ni-NTA purified truncated recombinant FGFR4-Trx-His expressed in E. Coli strain BL21 (DE3)
Specificity:	Recognizes CD334 / FGFR4.
Formulation:	State: Ascites State: Liquid Ascites with 0.03% Sodium Azide
Concentration:	lot specific
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.
Gene Name:	fibroblast growth factor receptor 4
Database Link:	Entrez Gene 2264 Human P22455



[View online »](#)

Background:

FGFR4 is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis.

Synonyms:

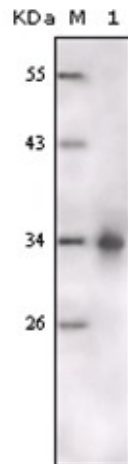
FGFR-4, JTK2, TKF

Protein Families:

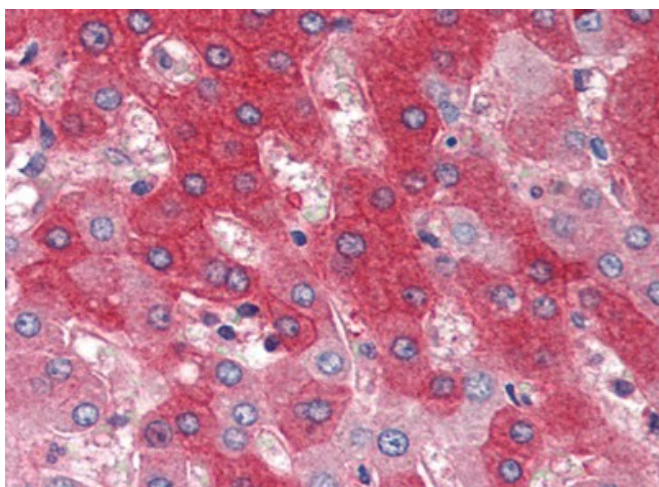
Druggable Genome, Protein Kinase

Protein Pathways:

Endocytosis, MAPK signaling pathway, Regulation of actin cytoskeleton

Product images:

Western blot analysis using FGFR4 monoclonal antibody Cat.-No. AM20516PU-N against truncated FGFR4-Trx-His recombinant protein.



Formalin-Fixed, Paraffin-Embedded Human Liver stained with FGFR4 antibody Cat.-No. AM20516PU-N followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.