

Product datasheet for **AM06322SU-N**

FGFR4 Mouse Monoclonal Antibody [Clone ID: 7H1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7H1
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant extracellular fragment of human FGFR4 fused with hIgGfC tag expressed in HEK293 cell line.
Specificity:	Recognizes FGFR4 (Fibroblast growth factor receptor 4).
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:	87.9 kDa
Gene Name:	fibroblast growth factor receptor 4
Database Link:	Entrez Gene 2264 Human P22455



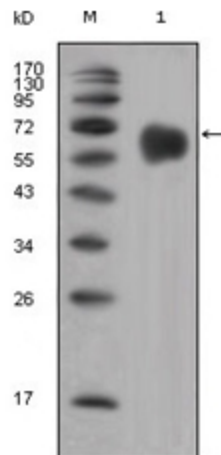
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Background:

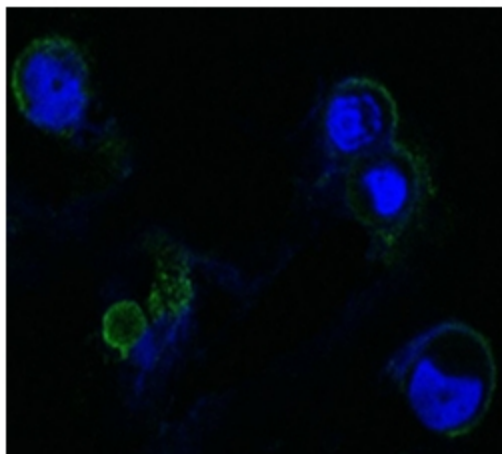
FGFR4 is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. 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

Product images:

Western blot analysis using FGFR4 antibody Cat.- No AM06322SU-N against extracellular domain of Human FGFR4 (aa22-369).



Confocal Immunofluorescence analysis of methanol-fixed HEK293 cells transfected with FGFR4-hIgGfc using FGFR4 antibody Cat.-No AM06322SU-N (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.