

Product Name: FGFR4 Mouse Monoclonal Antibody**Catalog #: AMM80723**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	87.9kDa

Antigen Information

Gene Name	FGFR4
Alternative Names	TKF; JTK2; CD334
Gene ID	2264.0
SwissProt ID	P22455
Immunogen	Purified recombinant extracellular fragment of human FGFR4 fused with hIgGfC tag expressed in HEK293 cell line.

Background

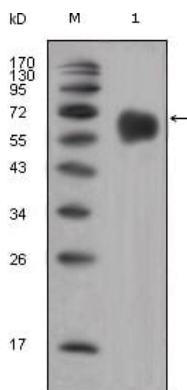
FGFR4: fibroblast growth factor receptor 4. Entrez Protein NP_002002. It is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members

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.

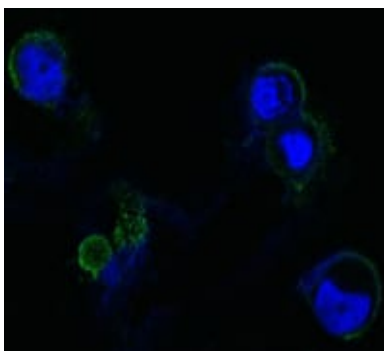
Research Area

TGF-beta signaling pathway, PI3K-Akt signaling pathway, MAPK signaling pathway, Hippo signaling pathway

Image Data



Western blot analysis using FGFR4 mouse mAb against extracellular domain of human FGFR4 (aa22-369).



Confocal Immunofluorescence analysis of methanol-fixed HEK293 cells transfected with FGFR4-hlgGfc using FGFR4 mouse mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.