

Product datasheet for **UM500059CF**

FGF21 Mouse Monoclonal Antibody [Clone ID: UMAB71]

Product data:

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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | UMAB71 |
| Applications: | 10k-ChIP, IF, IHC |
| Recommended Dilution: | IHC 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 29-209 of human FGF21 (NP_061986) produced in E.coli. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 19.4 kDa |
| Gene Name: | fibroblast growth factor 21 |
| Database Link: | NP_061986 Entrez Gene 26291 Human Q9NSA1 |



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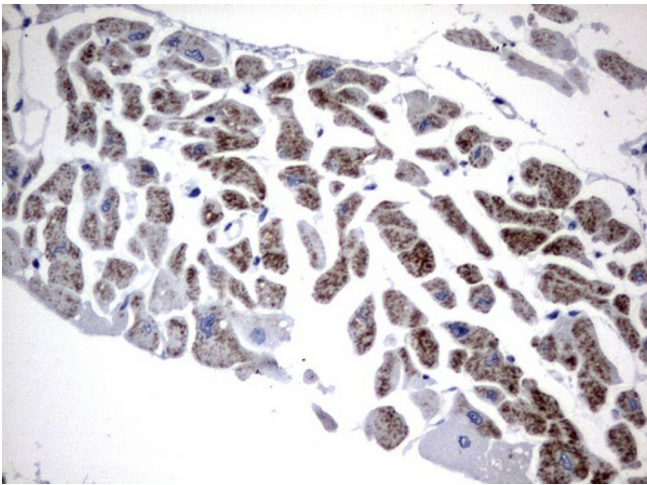
Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The function of this growth factor has not yet been determined. [provided by RefSeq, Jul 2008]

Synonyms: fibroblast growth factor 21

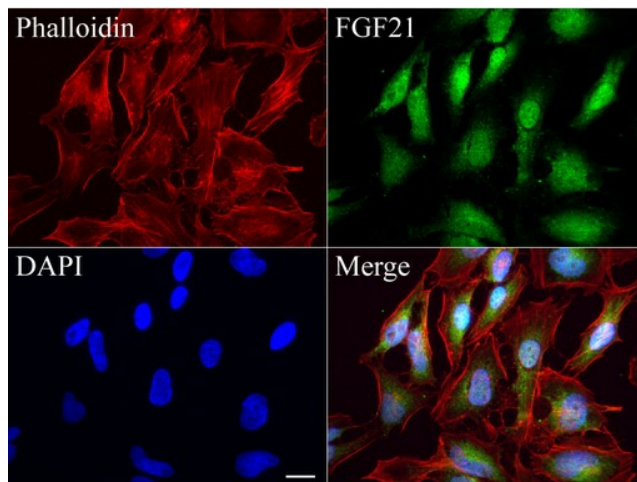
Protein Families: Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

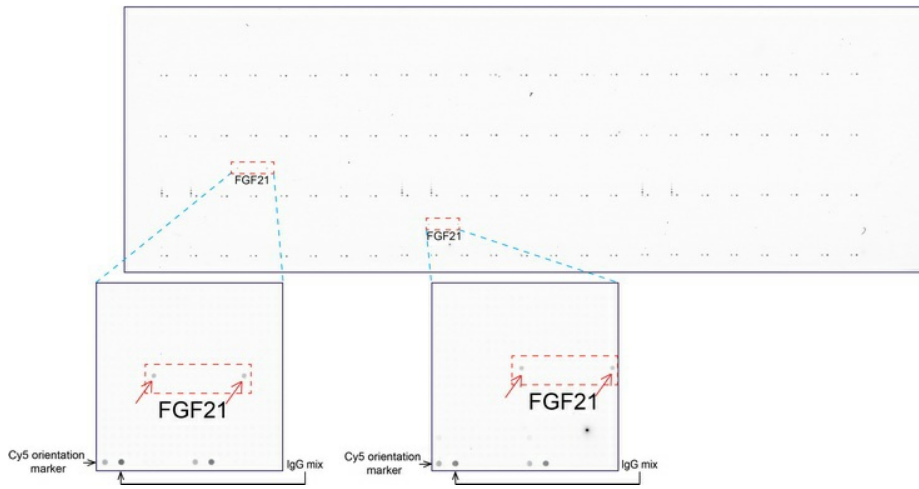
Product images:



Immunohistochemical staining of paraffin-embedded Human adult heart tissue using anti-FGF21 mouse monoclonal antibody. ([UM500059]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunofluorescent staining of HeLa cells using anti-FGF21 mouse monoclonal antibody ([UM500059], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-FGF21 mouse monoclonal antibody ([UM500059]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.